



# Nigeria

## Demographic and Health Survey

### 2003

National Population Commission  
Federal Republic of Nigeria

ORC Macro  
Calverton, Maryland, USA

April 2004



National  
Population  
Commission



ORC Macro



U.S. Agency for  
International  
Development

This report summarizes the findings of the 2003 Nigeria Demographic and Health Survey (2003 NDHS), which was conducted by the National Population Commission of the Federal Republic of Nigeria. ORC Macro provided technical assistance. Funding was provided by the U.S. Agency for international development (USAID).

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# CONTENTS

---

	Page
Tables and Figures .....	ix
Message from the Vice President .....	xv
Message from the Chairman .....	xvii
Preface .....	xix
Acknowledgments .....	xxi
Summary of Findings .....	xxiii
Map of Nigeria .....	xxviii

## CHAPTER 1 INTRODUCTION

1.1	History, Geography, and Economy of Nigeria .....	1
1.2	Population and Basic Demographic Indicators .....	3
1.3	Population and Health Policies and Programmes .....	4
1.4	Education .....	7
1.5	Organization and Objectives of the 2003 Nigeria Demographic and Health Survey .....	7
1.6	Response Rates .....	10

## CHAPTER 2 HOUSEHOLD POPULATION AND HOUSING CHARACTERISTICS

2.1	Household Population by Age, Sex, and Residence .....	11
2.2	Household Composition .....	12
2.3	Educational Attainment .....	13
2.4	Household Characteristics .....	19

## CHAPTER 3 CHARACTERISTICS OF RESPONDENTS AND WOMEN'S STATUS

3.1	Characteristics of Survey Respondents .....	23
3.2	Educational Attainment by Background Characteristics .....	23
3.3	Access to Mass Media .....	28
3.4	Employment .....	30
3.5	Measures of Women's Empowerment .....	37

## CHAPTER 4 FERTILITY

4.1	Current Fertility .....	51
4.2	Fertility Differentials .....	53
4.3	Fertility Trends .....	54

4.4	Children Ever Born and Living .....	55
4.5	Birth Intervals .....	56
4.6	Age at First Birth .....	58
4.7	Teenage Pregnancy and Motherhood .....	59

## **CHAPTER 5 FAMILY PLANNING**

5.1	Knowledge of Contraceptive Methods .....	61
5.2	Ever Use of Contraception .....	64
5.3	Current Use of Contraception.....	66
5.4	Number of Children at First Use of Contraception .....	70
5.5	Knowledge of Fertile Period.....	70
5.6	Source of Contraception .....	71
5.7	Informed Choice .....	72
5.8	Future Use of Contraception.....	73
5.9	Exposure to Family Planning Messages.....	75
5.10	Contact of Nonusers with Family Planning Providers.....	78
5.11	Discussion of Family Planning with Husband .....	79
5.12	Attitudes Toward Family Planning.....	80

## **CHAPTER 6 OTHER PROXIMATE DETERMINANTS OF FERTILITY**

6.1	Current Marital Status.....	83
6.2	Polygyny.....	84
6.3	Age at First Marriage .....	86
6.4	Age at First Sexual Intercourse .....	87
6.5	Recent Sexual Activity.....	89
6.6	Postpartum Amenorrhoea, Abstinence, and Insuseptibility .....	92
6.7	Menopause .....	93

## **CHAPTER 7 FERTILITY PREFERENCES**

7.1	Desire for More Children.....	95
7.2	Desire to Limit Childbearing.....	96
7.3	Need for Family Planning .....	98
7.4	Ideal Number of Children.....	101
7.5	Ideal Number of Children by Background Characteristics.....	102
7.6	Wanted and Unwanted Fertility.....	104
7.7	Wanted Fertility Rates.....	105
7.8	Ideal Number of Children and Unmet Need by Women's Status .....	105

## **CHAPTER 8**

8.1	Data Quality Assessment.....	107
8.2	Levels .....	108

8.3	Comparison of Infant Mortality Rates with Previous Demographic and Health Surveys.....	108
8.4	Socioeconomic Differentials in Childhood Mortality .....	110
8.5	Demographic Differentials in Childhood Mortality .....	111
8.6	Mortality Differentials by Women’s Status.....	112
8.7	High-Risk Fertility Behaviour.....	113

## CHAPTER 9 MATERNAL AND CHILD HEALTH

9.1	Antenatal Care.....	115
9.1.1	Number and Timing of ANC Visits .....	115
9.1.2	Components of ANC .....	118
9.1.3	Tetanus Toxoid.....	119
9.2	Place of Delivery .....	121
9.2.1	Assistance during Delivery .....	122
9.2.2	Delivery Characteristics .....	123
9.3	Postnatal Care .....	125
9.4	Reproductive Health Care by Women’s Status.....	126
9.5	Vaccination of Children .....	128
9.5.1	Vaccination by Background Characteristics .....	129
9.5.2	Vaccination in the First Year of Life.....	130
9.6	Acute Respiratory Infection and Fever.....	131
9.7	Household Hygiene.....	133
9.7.1	Presence of Materials for Washing Hands .....	133
9.7.2	Disposal of Children’s Stools.....	134
9.8	Diarrhoea .....	134
9.8.1	Knowledge of ORS Packets.....	136
9.8.2	Diarrhoea Treatment .....	136
9.8.3	Feeding Practices During Diarrhoea.....	137
9.9	Children Health Care by Women’s Status .....	138
9.10	Perceived Problems in Accessing Health Care.....	139
9.11	Use of Smoking Tobacco .....	141

## CHAPTER 10 MALARIA

10.1	Mosquito Nets .....	143
10.2	Antimalarial Drug Use During Pregnancy .....	146
10.3	Treatment of Children with Fever or Convulsions.....	148

## **CHAPTER 11 INFANT FEEDING AND CHILDREN'S AND WOMEN'S NUTRITIONAL STATUS**

11.1	Breastfeeding.....	151
11.1.1	Age Pattern of Breastfeeding.....	153
11.1.2	Duration and Frequency of Breastfeeding.....	154
11.2	Types of Food Consumed by Children .....	156
11.3	Micronutrient Supplementation .....	159
11.3.1	Use of Iodized Salt in Households .....	159
11.3.2	Micronutrient Status of Young Children .....	160
11.3.3	Micronutrient Intake Among Women .....	162
11.4	Nutritional Status of Children.....	163
11.5	Nutritional Status of Women .....	166

## **CHAPTER 12 HIV/AIDS AND OTHER SEXUALLY TRANSMITTED INFECTIONS**

12.1	Knowledge of Ways to Avoid HIV/AIDS.....	169
12.2	Beliefs about AIDS.....	172
12.3	Stigma and Discrimination .....	174
12.4	Knowledge of Mother-to-Child Transmission.....	177
12.5	HIV Testing and Counselling.....	178
12.6	Sexual Negotiation, Attitudes, and Communication .....	179
12.7	High-Risk Sex and Condom Use .....	182
12.8	Sexual Behaviour among Young People .....	186
12.9	Sexually Transmitted Infections.....	193
12.10	Orphanhood .....	197

## **CHAPTER 13 FEMALE CIRCUMCISION**

13.1	Knowledge and Prevalence of Female Circumcision.....	201
13.2	Flesh Removal and Infibulation .....	201
13.3	Age at Circumcision .....	202
13.4	Circumcision of Daughters.....	203
13.5	Attitudes toward Female Circumcision .....	205
13.6	Reasons for Supporting Female Circumcision .....	207
13.7	Reasons for Not Supporting Female Circumcision .....	208

<b>REFERENCES</b> .....	209
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<b>APPENDIX A SAMPLE DESIGN</b> .....	211
---------------------------------------	-----

<b>APPENDIX B SAMPLING ERRORS .....</b>	<b>217</b>
<b>APPENDIX C DATA QUALITY TABLES.....</b>	<b>231</b>
<b>APPENDIX D 2003 NIGERIA DEMOGRAPHIC AND HEALTH SURVEY PERSONNEL .....</b>	<b>237</b>
<b>APPENDIX E QUESTIONNAIRES .....</b>	<b>243</b>
<b>APPENDIX F WORLD SUMMIT FOR CHILDREN INDICATORS.....</b>	<b>333</b>



## TABLES AND FIGURES

---

		Page
<b>CHAPTER 1</b>	<b>INTRODUCTION</b>	
Table 1.1	Basic demographic indicators.....	3
Table 1.2	Results of the household and individual interviews .....	10
<b>CHAPTER 2</b>	<b>HOUSEHOLD POPULATION AND HOUSING CHARACTERISTICS</b>	
Table 2.1	Household population by age, sex, and residence .....	11
Table 2.2	Household composition.....	13
Table 2.3	Educational attainment of household population .....	14
Table 2.4	School attendance ratios.....	17
Table 2.5	Grade repetition and dropout rates.....	18
Table 2.6	Household characteristics .....	20
Table 2.7	Household durable goods.....	21
Figure 2.1	Population pyramid .....	12
Figure 2.2	Age-specific attendance rates.....	15
<b>CHAPTER 3</b>	<b>CHARACTERISTICS OF RESPONDENTS AND WOMEN'S STATUS</b>	
Table 3.1	Background characteristics of respondents.....	24
Table 3.2	Educational attainment by background characteristics.....	25
Table 3.3	Literacy.....	27
Table 3.4.1	Exposure to mass media: women.....	29
Table 3.4.2	Exposure to mass media: men .....	30
Table 3.5.1	Employment status: women.....	31
Table 3.5.2	Employment status: men .....	32
Table 3.6.1	Occupation: women.....	34
Table 3.6.2	Occupation: men .....	35
Table 3.7.1	Type of employment: women.....	36
Table 3.7.2	Type of employment: men .....	36
Table 3.8	Decision on use of earnings and contribution of earnings to household expenditures.....	38
Table 3.9	Women's control over earnings .....	39
Table 3.10	Women's participation in decisionmaking .....	40
Table 3.11.1	Women's participation in decisionmaking by background characteristics: women .....	41
Table 3.11.2	Women's participation in decisionmaking by background characteristics: men .....	43
Table 3.12.1	Women's attitude toward wife beating .....	45
Table 3.12.2	Men's attitude toward wife beating.....	46
Table 3.13.1	Women's attitude toward refusing sex with husband .....	48

Table 3.13.2	Men’s attitude toward wife refusing sex with husband .....	49
Figure 3.1	Employment status of women and men .....	33
Figure 3.2	Type of earnings of employed women and men .....	37
Figure 3.3	Number of decisions in which women participate in the final say .....	43

## CHAPTER 4 FERTILITY

Table 4.1	Current fertility .....	51
Table 4.2	Fertility by background characteristics .....	53
Table 4.3	Trends in age-specific fertility rates .....	54
Table 4.4	Children ever born and living.....	56
Table 4.5	Birth intervals.....	57
Table 4.6	Age at first birth .....	58
Table 4.7	Median age at first birth by background characteristics.....	59
Table 4.8	Teenage pregnancy and motherhood .....	60
Figure 4.1	Age-specific fertility rates, by residence.....	52
Figure 4.2	Total fertility rate by region .....	54
Figure 4.3	Trends in total fertility rates.....	55

## CHAPTER 5 FAMILY PLANNING

Table 5.1.1	Knowledge of contraceptive methods: women .....	62
Table 5.1.2	Knowledge of contraceptive methods: men .....	63
Table 5.2	Knowledge of contraceptive methods by background characteristics.....	64
Table 5.3.1	Ever use of contraception: women.....	65
Table 5.3.2	Ever use of contraception: men .....	66
Table 5.4	Current use of contraception .....	67
Table 5.5	Current use of contraception by background characteristics.....	68
Table 5.6	Current use of contraception by women’s status .....	69
Table 5.7	Number of children at first use of contraception .....	70
Table 5.8	Knowledge of fertile period.....	71
Table 5.9	Source of contraception.....	71
Table 5.10	Informed choice .....	73
Table 5.11	Future use of contraception .....	74
Table 5.12	Reasons for not intending to use contraception.....	74
Table 5.13	Preferred method of contraception for future use .....	75
Table 5.14.1	Exposure to family planning messages: women .....	76
Table 5.14.2	Exposure to family planning messages: men.....	77
Table 5.15	Contact of nonusers with family planning providers .....	79
Table 5.16	Discussion of family planning with husband.....	80
Table 5.17	Attitudes of couples toward family planning.....	81
Figure 5.1	Current use of any contraceptive method among currently married women age 15-49, by background characteristics.....	68
Figure 5.2	Source of family planning methods among current users of modern methods .....	72
Figure 5.3	Percentage of women and men exposed to family planning messages.....	78

<b>CHAPTER 6</b>	<b>OTHER PROXIMATE DETERMINANTS OF FERTILITY</b>	
Table 6.1	Current marital status.....	83
Table 6.2	Polygyny.....	85
Table 6.3	Age at first marriage.....	86
Table 6.4	Median age at first marriage.....	87
Table 6.5	Age at first sexual intercourse.....	88
Table 6.6	Median age at first intercourse.....	89
Table 6.7.1	Recent sexual activity: women.....	90
Table 6.7.2	Recent sexual activity: men.....	91
Table 6.8	Postpartum amenorrhoea, abstinence, and insusceptibility.....	92
Table 6.9	Median duration of postpartum insusceptibility by background characteristics.....	93
Table 6.10	Menopause.....	93
Figure 6.1	Percentage of married men with two or more wives, by region.....	85
<b>CHAPTER 7</b>	<b>FERTILITY PREFERENCES</b>	
Table 7.1	Fertility preferences by number of living children.....	96
Table 7.2	Desire to limit childbearing by background characteristics.....	97
Table 7.3	Need for family planning among currently married women.....	99
Table 7.4	Need for family planning among all women and among women who are not currently married.....	100
Table 7.5	Ideal number of children.....	102
Table 7.6	Mean ideal number of children by background characteristics.....	103
Table 7.7	Fertility planning status.....	104
Table 7.8	Wanted fertility rates.....	105
Table 7.9	Ideal number of children and unmet need for family planning by women's status.....	106
<b>CHAPTER 8</b>	<b>INFANT AND CHILD MORTALITY</b>	
Table 8.1	Early childhood mortality rates.....	108
Table 8.2	Comparison of infant mortality rates from the 2003 NDHS and the 1990 NDHS.....	109
Table 8.3	Early childhood mortality rates by background characteristics.....	110
Table 8.4	Early childhood mortality rates by demographic characteristics.....	111
Table 8.5	Early childhood mortality by women's status indicators.....	112
Table 8.6	High-risk fertility behaviour.....	114
<b>CHAPTER 9</b>	<b>MATERNAL AND CHILD HEALTH</b>	
Table 9.1	Antenatal care.....	116
Table 9.2	Number of antenatal care visits and timing of first visit.....	117
Table 9.3	Antenatal care content.....	119
Table 9.4	Tetanus toxoid injections.....	120
Table 9.5	Place of delivery.....	121
Table 9.6	Assistance during delivery.....	123
Table 9.7	Delivery characteristics.....	124
Table 9.8	Postnatal care by background characteristics.....	126
Table 9.9	Reproductive health care by women's status.....	127
Table 9.10	Vaccinations by source of information.....	128
Table 9.11	Vaccinations by background characteristics.....	130

Table 9.12	Vaccinations in first year of life.....	131
Table 9.13	Prevalence and treatment of symptoms of ARI and fever.....	132
Table 9.14	Hand-washing materials in the household.....	133
Table 9.15	Disposal of child's stools .....	134
Table 9.16	Prevalence of diarrhoea .....	135
Table 9.17	Knowledge of ORS packets.....	136
Table 9.18	Diarrhoea treatment .....	137
Table 9.19	Feeding practices during diarrhoea .....	138
Table 9.20	Child health care by women's status .....	139
Table 9.21	Problems in accessing health care .....	140
Table 9.22	Use of smoking tobacco.....	142
Figure 9.1	Number of antenatal care visits.....	117
Figure 9.2	Problems in accessing health care .....	141

## **CHAPTER 10 MALARIA**

Table 10.1	Ownership of mosquito nets.....	144
Table 10.2	Use of mosquito nets by children.....	145
Table 10.3	Use of mosquito nets by pregnant women .....	146
Table 10.4	Use of intermittent preventive treatment (IPT) by pregnant women.....	147
Table 10.5	Use of specific drugs for intermittent preventive treatment.....	148
Table 10.6	Prevalence and prompt treatment of fever/convulsions .....	149
Table 10.7	Type and timing of antimalarial drugs .....	150

## **CHAPTER 11 INFANT FEEDING AND CHILDREN'S AND WOMEN'S NUTRITIONAL STATUS**

Table 11.1	Initial breastfeeding .....	152
Table 11.2	Breastfeeding status by child's age .....	154
Table 11.3	Median duration and frequency of breastfeeding.....	155
Table 11.4	Foods consumed by children in the day or night preceding the interview .....	157
Table 11.5	Frequency of foods consumed by children in the day or night preceding the interview .....	158
Table 11.6	Frequency of foods consumed by children in preceding seven days.....	159
Table 11.7	Iodization of household salt .....	160
Table 11.8	Micronutrient intake among children .....	161
Table 11.9	Micronutrient intake among mothers .....	163
Table 11.10	Nutritional status of children .....	165
Table 11.11	Nutritional status of women by background characteristics.....	167
Figure 11.1	Median duration of breastfeeding by background characteristics.....	156
Figure 11.2	Prevalence of stunting among children under five years by region and mother's education .....	164

## **CHAPTER 12 AIDS/HIV/STI-RELATED KNOWLEDGE AND BEHAVIOUR**

Table 12.1	Knowledge of aIDS .....	170
Table 12.2	Knowledge of HIV prevention methods .....	171
Table 12.3.1	Beliefs about AIDS: women .....	173
Table 12.3.1	Beliefs about AIDS: men.....	174
Table 12.4.1	Accepting attitudes towards those living with HIV: women .....	175
Table 12.4.2	Accepting attitudes towards those living with HIV: men .....	176

Table 12.5	Knowledge of prevention of mother-to-child transmission of HIV.....	177
Table 12.6	Population who had an HIV test and received test results .....	178
Table 12.7	Pregnant women counselled about HIV .....	179
Table 12.8	Attitudes toward negotiating safer sex with husband .....	180
Table 12.9	Men’s attitude toward condoms .....	181
Table 12.10	Discussion of HIV/AIDS with partner .....	182
Table 12.11	High-risk sex and condom use at last high-risk sex: women and men age 15-49 .....	183
Table 12.12	High-risk sex and condom use at last high-risk sex among young women and men by background characteristics.....	184
Table 12.13	Paid sex in past year .....	186
Table 12.14	Age at first sex among young women and men .....	187
Table 12.15	Knowledge of a source for condoms among young women and men .....	188
Table 12.16	Condom use at first sex among young women and men .....	189
Table 12.17	Prevalence of premarital sex in the past year and use of a condom during premarital sex among young women and men.....	190
Table 12.18	Age mixing in sexual relationships.....	191
Table 12.19	Multiple sex partnerships among young women and men.....	192
Table 12.20.1	Knowledge of symptoms of STIs: women .....	194
Table 12.20.2	Knowledge of symptoms of STIs: men.....	195
Table 12.21	Self-reporting of sexually transmitted infection (STI) and STI symptoms ....	196
Table 12.22	Women and men seeking treatment for STIs.....	197
Table 12.23	Orphanhood and children’s living arrangements .....	198
Table 12.24	Schooling of children 10-14 by orphanhood and living arrangements .....	199
Figure 12.1	High-risk sex among cohabiting and noncohabiting young women and men.....	185
Figure 12.2	Abstinence, being faithful, and using condoms among young women and men.....	193

## **CHAPTER 13      FEMALE CIRCUMCISION**

Table 13.1	Knowledge and prevalence of female circumcision .....	202
Table 13.2	Age at circumcision .....	203
Table 13.3	Daughter’s circumcision experience and type of circumcision.....	204
Table 13.4	Aspects of daughter’s circumcision.....	205
Table 13.5.1	Attitudes toward female circumcision: women.....	206
Table 13.5.2	Attitudes toward female circumcision: men .....	207
Table 13.6	Perceived benefits of undergoing female circumcision .....	208
Table 13.7	Reasons for not supporting female circumcision.....	208

## **APPENDIX A      SAMPLE DESIGN**

Table A.1	Allocation of the sample .....	212
Table A.2	Sample implementation: women .....	214
Table A.5	Sample implementation: men.....	215

## **APPENDIX B      ESTIMATES OF SAMPLING ERRORS**

Table B.1	List of selected variables for sampling errors .....	220
Table B.2	Sampling errors for national sample .....	221
Table B.3	Sampling errors for urban sample.....	222
Table B.4	Sampling errors for rural sample.....	223

Table B.5	Sampling errors for North Central sample .....	224
Table B.6	Sampling errors for North East sample.....	225
Table B.7	Sampling errors for North West sample.....	226
Table B.8	Sampling errors for South East sample.....	227
Table B.9	Sampling errors for South South sample.....	228
Table B.10	Sampling errors for South West sample.....	229

## **APPENDIX C                    DATA QUALITY TABLES**

Table C.1	Household age distribution.....	231
Table C.2.1	Age distribution of eligible and interviewed women.....	232
Table C.2.2	Age distribution of eligible and interviewed men .....	232
Table C.3	Completeness of reporting.....	233
Table C.4	Births by calendar years .....	233
Table C.5	Reporting of age at death in days.....	234
Table C.6	Reporting of age at death in months .....	235

## MESSAGE FROM THE VICE PRESIDENT

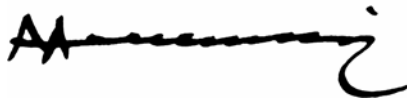
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In the past, demographic data required for meaningful development planning was scarce and scanty. The present administration, in its efforts to ensure the production of adequate, reliable and timely demographic data, will continue to support the conduct of surveys and population censuses periodically.

The implementation of the 2003 Nigeria Demographic and Health Survey (2003 NDHS) further shows the renewed effort of government to alleviate poverty and to resolve related health problems with the goal of overall improvement in the quality of life in Nigeria.

Nigeria's commitment to population and reproductive health issues is of paramount concern to the government, and efforts will continue to be strengthened so as to ensure that the set objectives are achieved and realized.

Information provided in this report should be fully utilized by all at the three tiers of government to ensure success in the health sector. I commend USAID for the generous support provided for the study and urge the National Population Commission to continue its effort to generate additional demographic data required for meaningful planning and development.



His Excellency  
Atiku Abubakar  
(Turakin Adamawa)  
Vice President  
Federal Republic of Nigeria  
Abuja

## MESSAGE FROM THE CHAIRMAN

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I am delighted to present the final report of the 2003 Nigeria Demographic and Health Survey (2003 NDHS). The 2003 NDHS is the latest in the periodic Demographic and Health Survey (DHS) series, which started in Nigeria at the national level in 1990. The surveys are designed to measure levels, patterns, and trends of demographic and health indicators. This report, which is a sequel to the preliminary report that was produced in October of last year, is more detailed and comprehensive.

The success of the 2003 NDHS was made possible by the support and collaboration of a number of organizations and individuals. In this connection, I wish to acknowledge the assistance of the United States Agency for International Development (USAID/Nigeria), which provided the funding for the survey. I also wish to express appreciation to ORC Macro for its technical assistance in all the stages of the survey. The National Population Commission remains grateful to other development partners, especially the Department for International Development (DFID), United Nations Population Fund (UNFPA), and UNICEF for their supportive roles.

Finally, I wish to commend the report of the 2003 NDHS to policymakers, programme administrators and researchers. The text and the tables have been presented in a user-friendly manner and I hope end-users will avail themselves of this vital information.



Chief S. D. Makama  
(Ubandoman Pyem)  
Chairman  
National Population Commission  
Abuja



## PREFACE

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The 2003 Nigeria Demographic and Health Survey (2003 NDHS) is the third national Demographic and Health Survey (DHS) in a series under the worldwide Demographic and Health Surveys programme. The first Nigeria DHS survey was conducted in 1990. Funding for the 2003 NDHS survey was provided by the U.S. Agency for International Development (USAID/Nigeria), while technical assistance was provided by ORC Macro. The United Nations Population Fund (UNFPA) and United Nations Children's Fund (UNICEF) also provided logistical support. Fieldwork for the survey took place between March and September 2003 in selected clusters nationwide.

The major objective of the 2003 NDHS, which is a follow-up to the 1999 NDHS, is to obtain and provide information on fertility, fertility preferences, use and knowledge of family planning methods, maternal and childhood health, maternal and childhood mortality, breastfeeding practices, nutrition, knowledge of HIV/AIDS, and other health issues. Compared with the 1999 NDHS, the 2003 NDHS has a wider scope. For example, unlike the 1999 survey, the 2003 survey includes a module on malaria and another on testing for salt. In addition, the 2003 data are geo-referenced to allow for more detailed geographical analysis. Other innovations of the 2003 NDHS include the concurrent processing of data even as fieldwork was ongoing. This innovation served a dual purpose by facilitating field checks for errors and hastening the process of data entry and analysis.

As may be expected, the findings of the 2003 NDHS are more comprehensive than findings for the two previous DHS surveys conducted in the country. Indeed, the production of the survey report within nine months after the completion of fieldwork is unprecedented, making the findings the most timely and up to date. The enforcement of standards and consistency and a response rate of more than 90 percent also make the findings very reliable.

In addition to presenting national estimates, the report provides estimates of key indicators of fertility, mortality, and health for rural and urban areas in Nigeria and for the six geo-political zones. Overall, the report provides information on a number of key topics to guide planners, policymakers, programme managers and researchers in the planning, implementation, monitoring, and evaluation of population and health programmes in Nigeria.

Highlights of the 2003 NDHS indicate on the one hand a national total fertility rate of 5.7, and on the other hand, a national infant mortality rate of 100 deaths per 1,000 live births and an under-five mortality rate of 203 deaths per 1,000 live births. The gap between knowledge and use of family planning methods is still wide. Knowledge of HIV/AIDS remains high.

The unprecedented success of the 2003 NDHS was made possible by the contributions of a number of organizations and individuals. I wish to acknowledge the support of USAID/Nigeria for funding the survey. Similarly, I appreciate ORC Macro's technical support in the design and implementation of the survey. The personal commitment of the ORC Macro Country Manager, Ms. Holly Newby, and her colleagues is particularly remarkable and is very much appreciated.

I also acknowledge and appreciate the logistics support provided by other development partners, especially the UNFPA, DFID, and UNICEF. The 2003 NDHS witnessed the support and collaboration of other stakeholders such as the Federal Ministry of Health. Their contributions are very much appreciated.

As the National Population Commission continues with its efforts to ensure the availability and dissemination of up to date and reliable demographic and health data, it is hoped that end users will make use of the available information for programme evaluation and for socio-economic planning.

A handwritten signature in black ink, appearing to read 'A. O. Akinsanya', with a horizontal line extending to the right.

Dr. A. O. Akinsanya  
Director-General  
National Population Commission

## ACKNOWLEDGMENTS

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In the recent past, adequate, timely and reliable data in Nigeria have been scarce and very limited for planning and socio-economic development. The 2003 Nigeria Demographic and Health Survey (2003 NDHS) is the latest in the series of DHS surveys conducted in Nigeria and provides indicators for the strategic management and monitoring of socio-economic activities including health programmes.

The 2003 NDHS was designed to provide data to monitor the population and health situation in Nigeria. Specifically, the 2003 NDHS collected information on fertility levels and preferences, awareness and use of family planning methods, maternal and child health, breastfeeding practices, nutritional status of mothers and young children, childhood mortality, use of bed nets, female genital cutting, marriage, sexual activity, and awareness and behaviour regarding AIDS and other sexually transmitted infections.

On behalf of the Commission, I gratefully acknowledge the support of the United States Agency for International Development (USAID/Nigeria) in providing funds to cover the cost of the 2003 NDHS. The technical support provided by ORC Macro played a key role during the implementation period. Worthy of mention is Ms. Holly Newby, the ORC Macro Country Manager who worked tirelessly during the period. Her efforts are greatly appreciated. Mr. Albert Themme and Ms. Elizabeth Britton handled data processing of the NDHS marvelously and in record time. Their efforts deserve our appreciation and gratitude. I wish to commend the efforts of Dr. Alfredo Aliaga, the Sampling Specialist at ORC Macro, who provided technical support during the sample selection exercise. Other ORC Macro officials, such as Ms. Anne Cross, Dr. Fern Greenwell and Ms. Arlinda Zhuzhuni, deserve our deep appreciation for their contributions at different stages of the 2003 NDHS implementation.

In the area of logistics, we acknowledge with gratitude the support of United Nations Population Fund (UNFPA), United Nations Children's Fund (UNICEF) and Department for International Development (DFID).

The Chairman of the Commission and his team of Federal Commissioners greatly assisted during the implementation period by providing excellent leadership and advocacy support. The unflinching support and technical assistance provided by the Director-General and all Directors is hereby acknowledged. The U.N. Chief Technical Adviser, Prof. G.B. Fosu, took pains in providing technical support, including the review of the report, and his efforts are highly appreciated. During the implementation period of the survey, the core team—also referred to as Zonal Coordinators—worked tirelessly and their efforts are hereby acknowledged. The survey could not have been conducted in such a timely and successful fashion without the commitment of the entire field staff of the 2003 NDHS. The entire data processing staff is also commended for their important role in the timely processing of the data.

A number of organizations rendered immense support during the implementation stage including the Federal Ministry of Health, the National Action Committee on AIDS, and the National Programme on Immunization. Some members of academia in various Nigerian universities served as resource persons during the report writing exercise. Their useful contributions and commitment are commendable and hereby acknowledged.

Finally, our special gratitude goes to all the households, men, and women who were selected and who responded very well during the survey; without their participation and support, this project would have been a failure. Our appreciation goes to the entire people of Nigeria for their understanding and for making possible an enabling environment conducive to the conduct of this very important survey.

A handwritten signature in black ink, appearing to read "Samuel A. Ogunlade". The signature is fluid and cursive, with the first name "Samuel" being the most prominent part.

Samuel A. Ogunlade  
Project Director  
National Population Commission

## SUMMARY OF FINDINGS

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The 2003 Nigeria Demographic and Health Survey (2003 NDHS) is the third national Demographic and Health Survey conducted in Nigeria. The 2003 NDHS is based on a nationally representative sample of over 7,000 households. All women age 15-49 in these households and all men age 15-59 in a subsample of one-third of the households were individually interviewed. The survey provides up-to-date information on the population and health situation in Nigeria. Specifically, the 2003 NDHS collected information on fertility levels and preferences, awareness and use of family planning methods, maternal and child health, breastfeeding practices, nutritional status of women and young children, childhood mortality, use of bed nets, female genital cutting, marriage, sexual activity, and awareness and behaviour regarding AIDS and other sexually transmitted infections in Nigeria.

The National Population Commission conducted the survey, which was in the field from March to August 2003. ORC Macro, through the MEASURE DHS+ project, provided technical support. The U.S. Agency for International Development (USAID)/Nigeria funded the survey. Other development partners, including the United Nations Population Fund (UNFPA), the United Nations Children's Fund (UNICEF), and Department for International Development (DFID), also provided support for the survey.

### FERTILITY

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**Fertility Levels, Trends, and Preferences.** The total fertility rate (TFR) in Nigeria is 5.7. This means that at current fertility levels, the average Nigerian woman who is at the beginning of her childbearing years will give birth to 5.7 children by the end of her lifetime. Compared with previous national surveys, the 2003 survey shows a modest decline in fertility over the last two decades: from a TFR of 6.3 in the 1981-82 National Fertility Survey (NFS) to 6.0 in the 1990 NDHS to 5.7 in the 2003 NDHS. However, the 2003 NDHS rate of 5.7 is significantly higher than the 1999 NDHS rate of 5.2. Analysis

has shown that the 1999 survey underestimated the true levels of fertility in Nigeria.

On average, rural women will have one more child than urban women (6.1 and 4.9, respectively). Fertility varies considerably by region of residence, with lower rates in the south and higher rates in the north. Fertility also has a strong negative correlation with a woman's educational attainment.

Most Nigerians, irrespective of their number of living children, want large families. The ideal number of children is 6.7 for all women and 7.3 for currently married women. Nigerian men want even more children than women. The ideal number of children for all men is 8.6 and for currently married men is 10.6. Clearly, one reason for the slow decline in Nigerian fertility is the desire for large families.

**Birth Intervals.** A 36-month interval between deliveries is best for mother and child; longer birth intervals also contribute to reduction in overall levels of fertility. The median birth interval in Nigeria is 31 months, which is close to the optimal interval. The median interval is lowest among mothers age 15-19 (26 months) and highest among mothers age 40-49 (39 months). While there is no difference in birth intervals between urban and rural women, birth intervals do vary considerably by region of residence. Women in the South West have the longest median birth interval (37 months) and women in the South East have the shortest median birth interval (27 months), a difference of almost one year.

**Initiation of Sexual Behaviour and Childbearing at Young Ages.** One-third of women age 25-49 reported that they had had sexual intercourse by age 15. By age 20, more than three-quarters of women, and by age 25, nine in ten women have had sexual intercourse. One-quarter of teenage women has given birth or is pregnant. Early childbearing is more of a rural phenomenon, with 30 percent of rural women age 15-19 having begun childbearing compared with 17 percent of urban women in the same age group. Overall, median age at first birth is increasing. Whereas median age at first birth is less than 19 years among women over age 35, it is 20.3 years among women age 25-29.

## FAMILY PLANNING

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### **Knowledge of Family Planning Methods.**

About eight in ten women and nine in ten men know at least one modern method of family planning. The pill, injectables, and the male condom are the most widely known modern methods among both women and men. Mass media is an important source of information on family planning. Radio is the most frequent source of family planning messages: 40 percent of women and 56 percent of men say they heard a radio message about family planning during the months preceding the survey. However, more than half of women (56 percent) and 41 percent men were not exposed to family planning messages from a mass media source.

**Current Use.** A total of 13 percent of currently married women are using a method of family planning, including 8 percent who are using a modern method. The most common modern methods are the pill, injectables, and the male condom (2 percent each). Urban women are more than twice as likely as rural women to use a method of contraception (20 percent versus 9 percent). Contraceptive use varies significantly by region. For example, one-third of married women in the South West use a method of contraception compared with just 4 percent of women in the North East and 5 percent of women in the North West.

### **Source of Family Planning Methods.**

Fifty-eight percent of users get their contraceptive methods from private health care providers, more than twice as many as get them from the public sector (23 percent). The private sector is the most common source for the pill (74 percent) and male condoms (59 percent). Provision of injectables for current users is shared equally by the private sector and the public sector (48 percent each).

**Unmet Need for Family Planning.** While most women want large families, there is a minority who want to limit their family size or wait a period of time before having their next birth but are not using contraception. Seventeen percent of currently married women are in these two categories and have an unmet need for family planning.

Information on contacts of nonusers with family planning providers is important for determining whether family planning initiatives are effective or not. During the year preceding the survey, 4 percent of nonusers reported that they were visited by a family planning service provider at home; 6 percent of nonusers visited a health facility and discussed family planning with a provider; and 24 percent of nonusers who visited a health facility did not discuss family planning. This is an indication of missed opportunities for increasing family planning acceptance and use.

## CHILD HEALTH

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**Mortality.** The 2003 NDHS survey estimates infant mortality to be 100 per 1,000 live births for the 1999-2003 period. This infant mortality rate is significantly higher than the estimates from both the 1990 and 1999 NDHS surveys; the earlier surveys underestimated mortality levels in certain regions of the country, which in turn biased downward the national estimates. Thus, the higher rate from the 2003 NDHS is more likely due to better data quality than an actual increase in mortality risk overall.

The rural infant mortality rate (121 per 1,000) is considerably higher than the urban rate (81 per 1,000), due in large part to the difference in neonatal mortality rates. As in other countries, low maternal education, a low position on the household wealth index, and shorter birth intervals are strongly associated with increased mortality risk. The under-five mortality rate for the 1999-2003 period was 201 per 1,000.

**Vaccinations.** Only 13 percent of Nigerian children age 12-23 months can be considered fully vaccinated, that is, have received BCG, measles, and three doses each of DPT and polio vaccine (excluding the polio vaccine given at birth). This is the lowest vaccination rate among African countries in which DHS surveys have been conducted since 1998. Less than half of children have received each of the recommended vaccinations, with the exception of polio 1 (67 percent) and polio 2 (52 percent). More than three times as many urban children as rural children are fully vaccinated (25 percent and 7 percent, respectively). WHO guidelines are that children should complete the schedule of recommended vaccinations by 12 months of age. In Nigeria, however, only 11 percent of children age 12-23

months received all of the recommended vaccinations before their first birthday.

**Childhood Illness.** In the two weeks preceding the survey, 10 percent of children experienced symptoms of acute respiratory infection (ARI), and 31 percent had a fever. Among children who experienced symptoms of ARI or fever, almost one-third (31 percent) sought treatment from a health facility or health care provider.

Approximately one-fifth of children had diarrhoea in the two weeks preceding the survey. Twenty-two percent of mothers reported that their children with diarrhoea were taken to a health provider. Overall, 40 percent received oral rehydration salts (ORS), recommended home fluids (RHF), or increased fluids. Less than one-fifth of children (18 percent) were given a solution made from ORS, despite the fact that 65 percent of mothers say they know about ORS packets. Although 20 percent of mothers said they gave their sick child more liquids than usual to drink, 38 percent of mothers said they curtailed fluid intake.

## NUTRITION

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**Breastfeeding.** Breastfeeding is almost universal in Nigeria, with 97 percent of children born in the five years preceding the survey having been breastfed. However, just one-third of children were given breast milk within one hour of birth (32 percent), and less than two-thirds were given breast milk within 24 hours of birth (63 percent). Overall, the median duration of any breastfeeding is 18.6 months, while the median duration of exclusive breastfeeding is only half a month.

**Complementary Feeding.** At age 6-9 months, the recommended age for introducing complementary foods, three-quarters of breastfeeding infants received solid or semisolid foods during the day or night preceding the interview; 56 percent received food made from grains, 25 percent received meat, fish, shellfish, poultry or eggs, and 24 percent received fruits or vegetables. Fruits and vegetables rich in vitamin A were consumed by 20 percent of breastfeeding infants age 6-9 months.

**Nutritional Status of Children.** Overall, 38 percent children are stunted (short for their age), 9 percent of children are wasted or thin (low weight-for-height), and 29 percent of children are underweight (low weight-for-age). Generally, children who live in rural areas or in the north and children of uneducated mothers are significantly more likely to be undernourished than other children. The children in the North West are particularly disadvantaged—one-third are severely stunted, which reflects extensive long-term malnutrition in the region.

**Nutritional Status of Women.** The mean body mass index (BMI) of Nigerian women is 22.3, which falls well within the internationally accepted normal range (between 18.5 and 24.9). Almost two-thirds of women (64 percent) have BMIs falling in the normal range; 15 percent are thin, including 2 percent who are severely thin. The youngest women are the most likely of all the population subgroups to be thin; one-quarter of women age 15-19 have a BMI of less than 18.5. One-fifth of Nigerian women weigh more than they should: 15 percent are overweight and 6 percent are obese. The likelihood of being overweight or obese increases with age.

## WOMEN'S HEALTH

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**Maternal Care.** Almost two-thirds of mothers in Nigeria (63 percent) received some antenatal care (ANC) for their most recent live birth in the five years preceding the survey. While one-fifth of mothers (21 percent) received ANC from a doctor, almost four in ten women received care from nurses or midwives (37 percent). Almost half of women (47 percent) made the minimum number of four recommended visits, but most of the women who received antenatal care did not get care within the first three months of pregnancy.

In terms of content of care, slightly more than half of women who received antenatal care said that they were informed of potential pregnancy complications (55 percent). Fifty-eight percent of women received iron tablets; almost two-thirds had a urine or blood sample taken; and 81 percent had their blood pressure measured. Almost half (47 percent) received no tetanus toxoid injections during their most recent birth.

The majority of births in Nigeria occur at home (66 percent). Only one-third of live births during the five years preceding the survey occurred in a health

facility. Slightly more than one-third of births are attended by a doctor, nurse, or midwife. A smaller proportion of women receive postnatal care, which is crucial for monitoring and treating complications in the first two days after delivery. Only 23 percent of women who gave birth outside a health facility received postnatal care within two days of the birth of their last child. More than seven in ten women who delivered outside a health facility received no postnatal care at all.

Across all maternal care indicators, rural women are disadvantaged compared with urban women, and there are marked regional differences among women. Overall, women in the south, particularly the South East and South West, received better care than women in the north, especially women in the North East and North West.

**Female Circumcision.** Almost one-fifth of Nigerian women are circumcised, but the data suggest that the practice is declining. The oldest women are more than twice as likely as the youngest women to have been circumcised (28 percent versus 13 percent). Prevalence is highest among the Yoruba (61 percent) and Igbo (45 percent), who traditionally reside in the South West and South East. Half of the circumcised respondents could not identify the type of procedure performed. Among those women who could identify the type of procedure, the most common type of circumcision involved cutting and removal of flesh (44 percent of all circumcised women). Four percent of women reported that their vaginas were sewn closed during circumcision.

Among the 53 percent of Nigerian women who had heard of female circumcision, two-thirds (66 percent) believe that female circumcision should be discontinued, while 21 percent want the practice to continue. Continuation of female circumcision finds greater support among southerners than northerners and among those who are circumcised than the uncircumcised. Even so, less than half of circumcised women want the practice to be continued (42 percent). Among men who had heard of the practice, similar to women, almost two-thirds are against continuation of female circumcision, while about one-fifth of this group were in favour if it.

### **Perceived Constraints to Use of Health Care.**

Survey respondents were asked to identify barriers to accessing health care services for themselves. Almost half of women cite at least one barrier to care. The most commonly cited problem is getting money for treatment (30 percent), followed by distance to health facility, and having to take transport (24 percent each). One in ten women say that getting permission to go is a problem.

## **WOMEN'S CHARACTERISTICS AND STATUS**

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While the majority of Nigerian women have had some education, 42 percent have never attended school. This is almost twice the proportion of men who have never attended school (22 percent).

Slightly over half of women report being currently employed (56 percent). Eighty-four percent of working women earn cash only or cash in addition to in-kind earnings. Almost three-quarters of women who receive cash earnings report that they alone decide how their earnings are used. An additional 16 percent say that they decide jointly with their husband or someone else. Only 10 percent of women report that someone else decides how their earnings will be used.

The 2003 NDHS collected information on women's participation in different types of decisions in the household. Almost half (46 percent) of currently married women reported that they did not have a final say (either alone or jointly) in any specified decision. Among married women, household decisionmaking is highly dominated by husbands.

To assess attitudes toward wife beating, respondents were asked whether a husband would be justified in beating his wife for specific reasons. A majority of both women and men (approximately six in ten) believe there are occasions when a man is justified in beating his wife. For example, approximately half of women believe that a husband is justified in hitting his wife if she goes out without telling him or if she neglects the children. These were also the most common justifications cited by men (50 percent and 47 percent, respectively).

## **MALARIA CONTROL PROGRAM INDICATORS**

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**Nets.** Although malaria is a major public health concern in Nigeria, only 12 percent of households report owning at least one mosquito net. Even fewer,



2 percent of households, own an insecticide treated net (ITN). Rural households are almost three times as likely as urban households to own at least one mosquito net. Overall, 6 percent of children under age five sleep under a mosquito net, including 1 percent of children who sleep under an ITN. Five percent of pregnant women slept under a mosquito net the night before the survey, one-fifth of them under an ITN.

**Use of Antimalarials.** Overall, 20 percent of women reported that they took an antimalarial for prevention of malaria during their last pregnancy in the five years preceding the survey. Another 17 percent reported that they took an unknown drug, and 4 percent took paracetamol or herbs to prevent malaria. Only 1 percent received intermittent preventative treatment (IPT)—or preventive treatment with sulfadoxine-pyrimethamine (Fansidar/SP) during an antenatal care visit. Among pregnant women who took an antimalarial, more than half (58 percent) used Daraprim, which has been found to be ineffective as a chemoprophylaxis during pregnancy. Additionally, 39 percent used chloroquine, which was the chemoprophylactic drug of choice until the introduction of IPT in Nigeria in 2001.

Among children who were sick with fever/convulsions, one-third took antimalarial drugs, the majority receiving the drugs the same day as the onset of the fever/convulsions or the following day.

## **HIV/AIDS AND OTHER STIS**

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**Knowledge.** Almost all men (97 percent) and a majority of women (86 percent) reported that they had heard of AIDS. Considerably fewer know how to prevent transmission of the AIDS virus; men are better informed than women. Sixty-three percent of men and 45 percent of women reported knowing that condom use protects against HIV/AIDS. More respon-

dents (six in ten women and eight in ten men) reported knowing that limiting the number of sexual partners is a way to avoid HIV/AIDS. Less than half of the population knows that mother to child transmission of HIV is possible through breastfeeding. Few people (less than one in ten) know that a woman living with HIV can take drugs during pregnancy to reduce the risk of transmission.

**HIV Testing and Counselling.** Six percent of women and 14 percent of men have been tested for HIV and received the results of their test. During the 12 months preceding the survey, only 3 percent of women and 6 percent of men were tested and received their test results. About one-quarter of women received counselling or information about HIV/AIDS during an antenatal care visit.

**High-risk Sex.** A much higher percentage of men than women report having had sex with a non-marital, noncohabiting partner at some time during the year preceding the survey (39 percent of men versus 14 percent of women). Less than half of men (47 percent) and less than one-quarter of women (23 percent) reported using a condom the last time they had sex with a nonmarital, noncohabiting partner. Fifteen percent of men who are currently married or cohabiting reported having high-risk sex in the past 12 months.

**Sexually Transmitted Infections.** Five percent of both women and men reported having a sexually transmitted infection (STI) or an associated symptom during the 12 months preceding the survey. The never-married population of both women and men are most at risk. Eight percent of never-married women and 7 percent of never-married men reported having an STI or STI symptom. Of these, 68 percent of women and 83 percent of men sought treatment for their STI or STI symptom; however, not everyone went to a health professional.

**Orphanhood.** Nationwide, fewer than 1 percent of children have lost both parents; 6 percent of children under age 15 have lost at least one parent.

# NIGERIA

