



THE REPUBLIC OF UGANDA

UGANDA DEMOGRAPHIC AND HEALTH SURVEY (UDHS) 2022

KEY FINDINGS

Presented by:
UBOS Executive Director



Dissemination Workshop
Held at Sheraton Hotel, Kampala District
8th September 2023





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2022 Uganda
Demographic
Health Survey

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MAIN OBJECTIVE

To provide current estimates on

MARRIAGE



**FAMILY
PLANNING**



**SEXUAL
ACTIVITY**



**MATERNAL AND
CHILD HEALTH**



**DOMESTIC
VIOLENCE**



**CHILDHOOD &
MATERNAL MORTALITY**



NUTRITION



MALARIA



**CHILD
LABOR/DISCIPLINE**



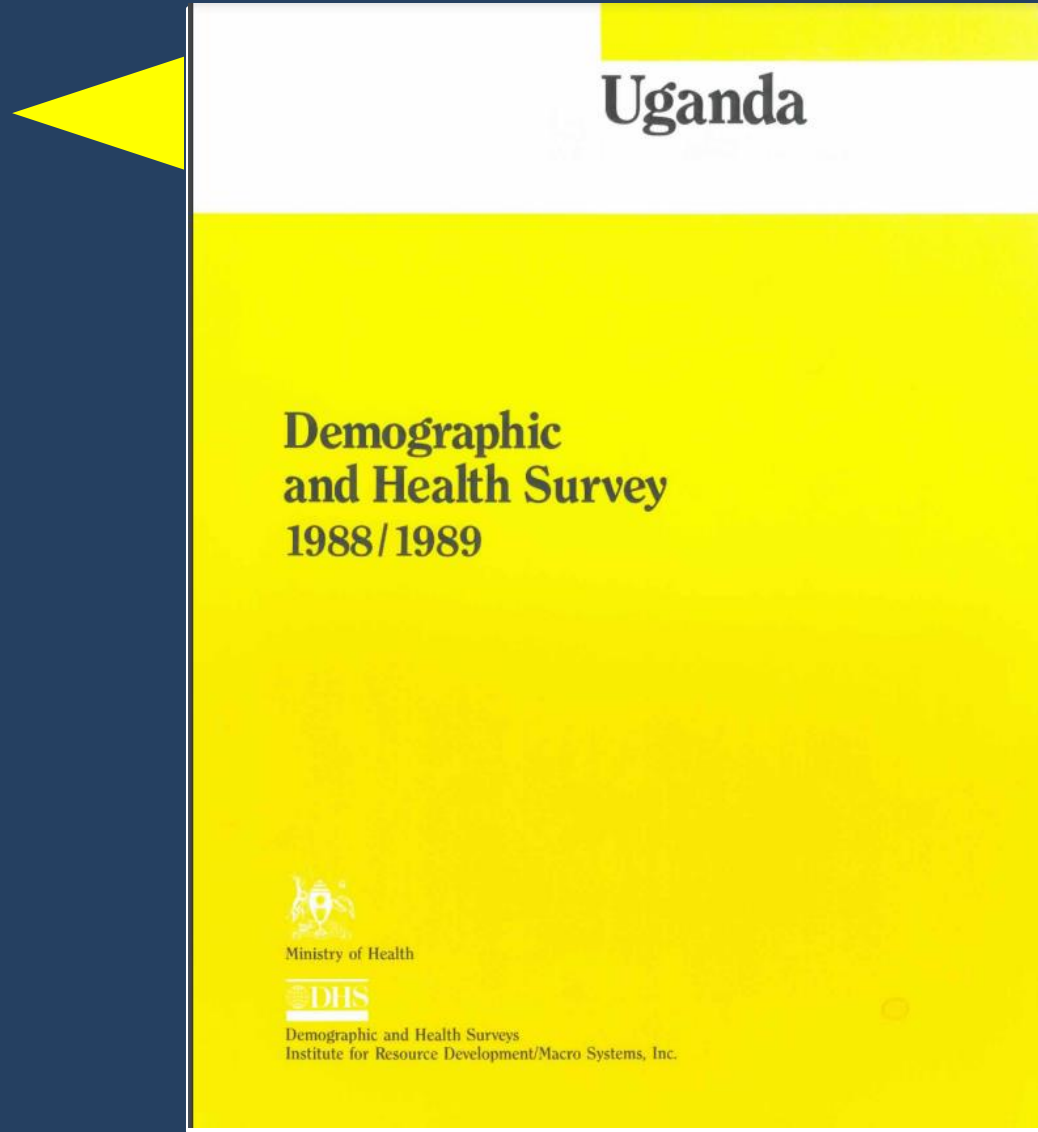
HIV/AIDS





UGANDA DHS SERIES

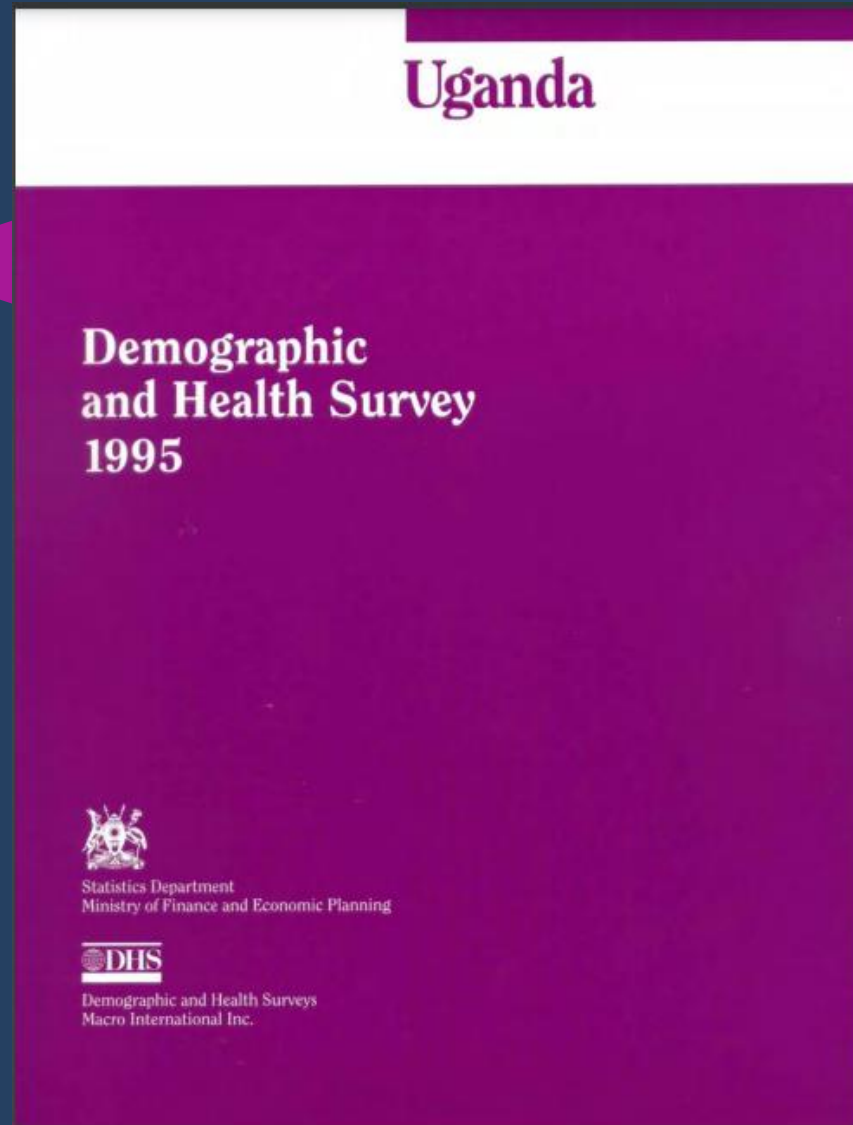
- 1 1988/89
- 1995
- 2000/01
- 2006
- 2011
- 2016
- 2022





UGANDA DHS SERIES

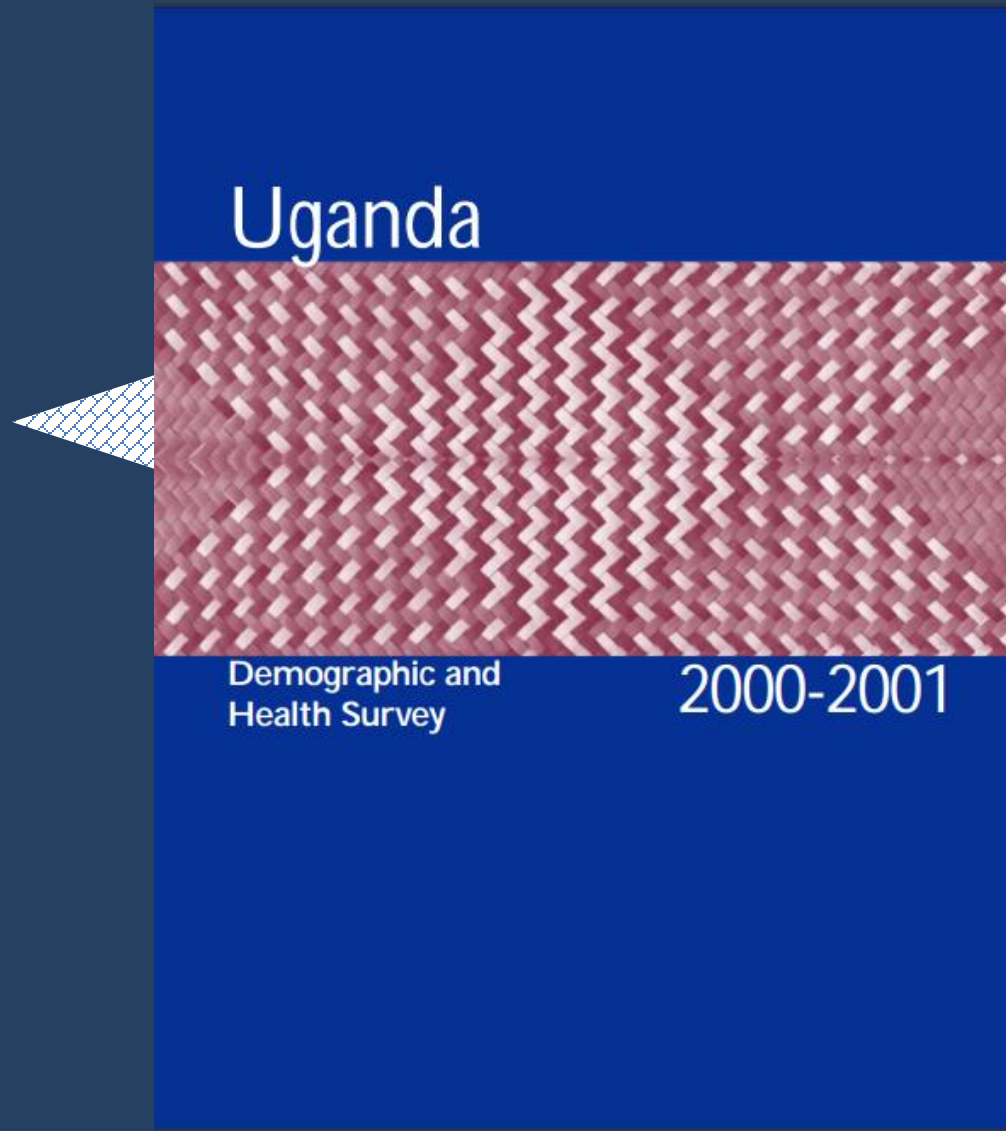
- 1988/89
- **2** **1995**
- 2000/01
- 2006
- 2011
- 2016
- 2022





UGANDA DHS SERIES

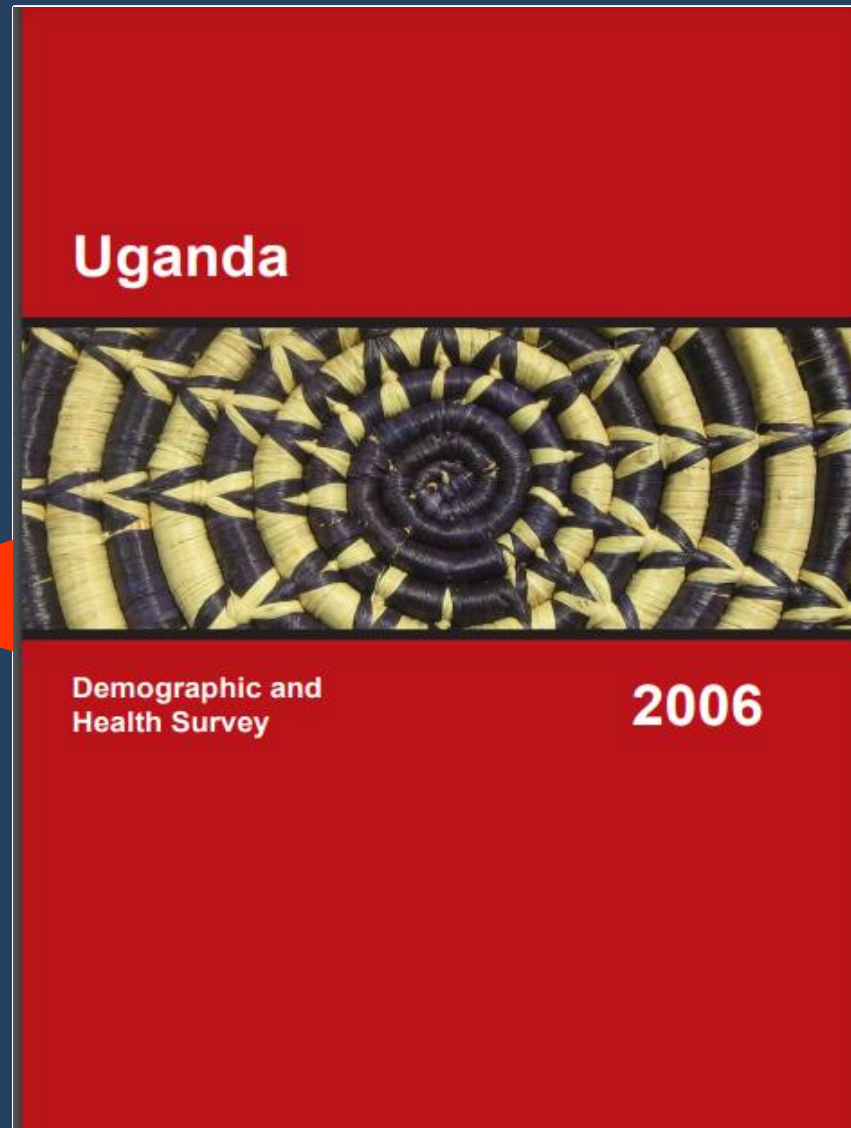
- 1988/89
- 1995
- 3** **2000/01**
- 2006
- 2011
- 2016
- 2022





UGANDA DHS SERIES

- 1988/89
- 1995
- 2000/01
- **4** **2006**
- 2011
- 2016
- 2022





UGANDA DHS SERIES

- 1988/89
- 1995
- 2000/01
- 2006
- 5** **2011**
- 2016
- 2022






UGANDA DHS SERIES

- 1988/89
- 1995
- 2000/01
- 2006
- 2011
- 6** **2016**
- 2022

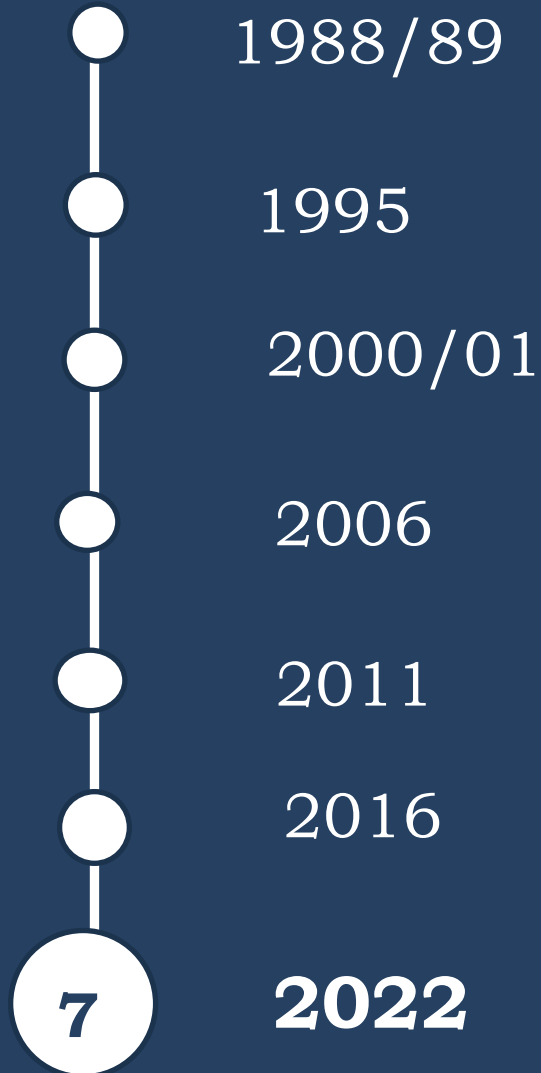
Uganda



Demographic and Health Survey **2016**



UGANDA DHS SERIES



UDHS 2022

- **7th** in the series ;
- **5th** demographic and health survey conducted as part of the DHS program.

It is designed to provide estimates at the national level, for urban and rural areas, and for most indicators for the 15 statistical regions of the country.



The 2022 UDHS Sub regions

2022 Uganda
Demographic
Health Survey

South Central

- Butambala,
- Gomba,
- Mpigi,
- Bukomansimbi,
- Kalangala,
- Kalungu,
- Lwengo,
- Lyantonde,
- Masaka,
- Rakai,
- Sembabule,
- Wakiso

North Central

- Buikwe,
- Buvuma,
- Kayunga,
- Kiboga,
- Kyankwanzi,
- Luwero,
- Mityana,
- Mubende,
- Mukono,
- Nakaseke,
- Nakasongola

Kampala

- Kampala



The 2022 UDHS Sub regions

2022 Uganda
Demographic
Health Survey

Busoga

- Bugiri,
- Namutumba,
- Buyende,
- Iganga,
- Jinja,
- Kaliro,
- Kamuli,
- Luuka,
- Mayuge,
- Namayingo

Bukedi

- Budaka,
- Butaleja,
- Kibuku,
- Pallisa,
- Tororo,
- Busia

Bugisu

- Bulambuli,
- Kapchorwa,
- Kween
- Bududa
- Manafwa
- Mbale
- Sironko
- Bukwo

Teso

- Amuria,
- Bukedea
- Katakwi
- Kumi,
- Ngora
- Soroti
- Kaberamaid
o Serere



The 2022 UDHS Sub regions

2022 Uganda
Demographic
Health Survey

West Nile

Adjumani,
Arua,
Koboko,
Maracha,
Moyo,
Nebbi,
Yumbe,
Zombo

Karamoja

- Abim
- Amudat
- Kaabong
- Kotido
- Moroto
- Nakapiripirit
- Napak

Lango

- Alebtong,
- Amolatar,
- Dokolo,
- Lira,
- Otuke,
- Apac,
- Kole,
- Oyam

Acholi

- Agago,
- Amuru,
- Gulu,
- Lamwo,
- Pader,
- Kitgum,
- Nwoya



The 2022 UDHS Sub regions

2022 Uganda
Demographic
Health Survey

Bunyoro

Buliisa,
Hoima,
Kibaale,
Kiryandongo,
Masindi

Tooro:

Bundibugyo,
Kabarole,
Kasese,
Ntoroko,
Kyenjojo,
Kamwenge,
Kyegegwa

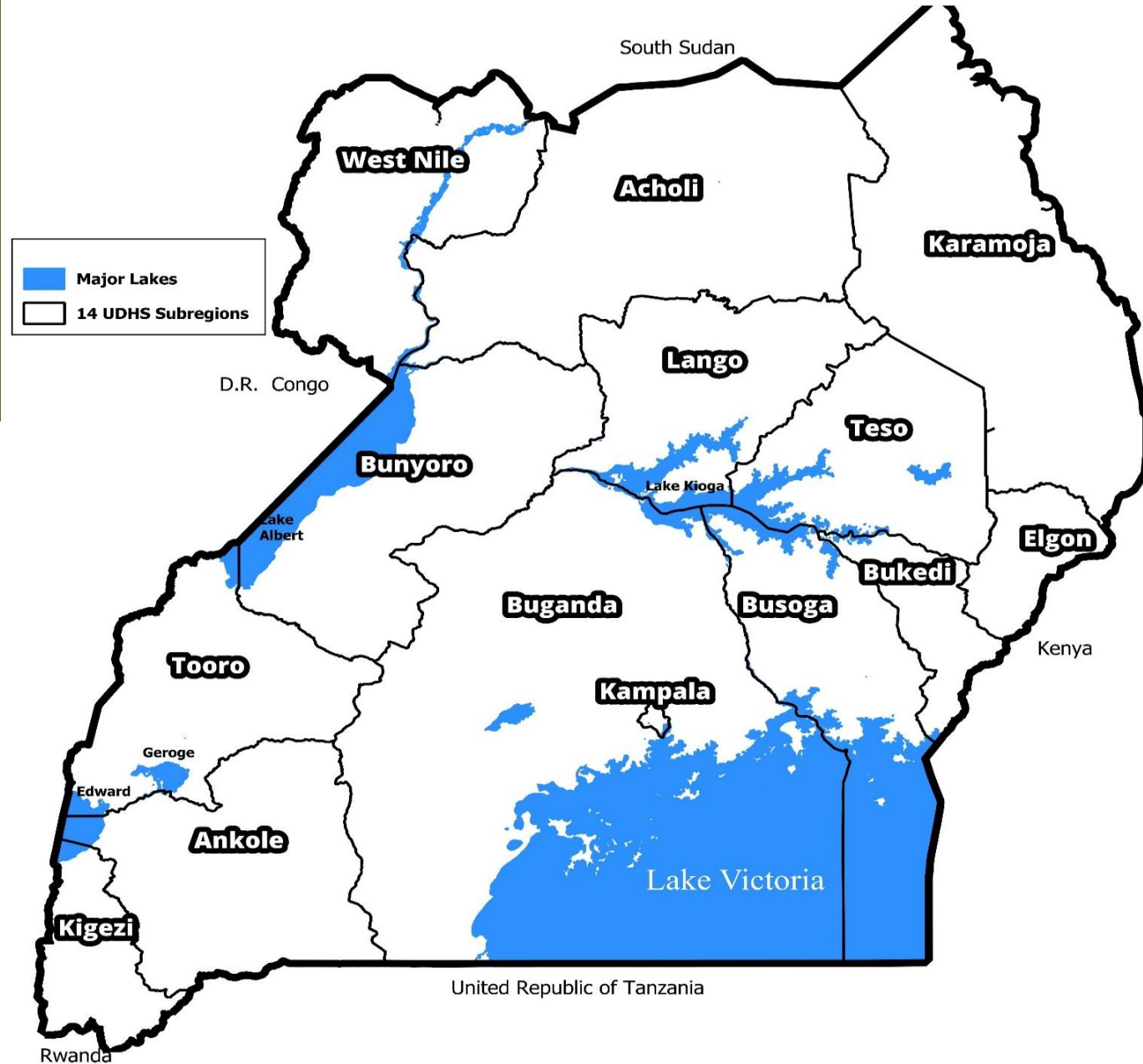
Kigezi:

Kabale,
Kisoro,
Kanungu,
Rukungiri

Ankole:

Buhweju,
Bushenyi,
Ibanda,
Isingiro,
Kiruhura,
Mbarara,
Mitooma,
Ntungamo,
Rubirizi,
Sheema

2022 UDHS - 15 Sub- regions



Sample design



The sampling frame used is of **the 2014 Uganda National Population and Housing Census** (NPHC).

The sample provides estimates of key indicators for the country as a whole, **for urban and rural areas separately, and each of the 15 sub-regions.**



In 2022, Uganda was divided administratively into **136 districts and 10 cities**. These were stratified into 15 sub-regions.



Cluster (1/2)

- The 2022 UDHS sample was stratified and selected independently in each sub-region in two stages.
- In the first stage, a total of **697 EAs** were selected (**233 EAs in urban** and **464 in rural areas**).
- The resulting lists of households served as a sampling frame for the selection of households in the second stage. **30 households** were selected from each cluster.
- In total, a representative sample of **20,631 households** was randomly selected for the 2022 UDHS.



Cluster (2/2)

All women aged 15-49 and men aged 15-54 years who were either usual members of the selected households or visitors who slept in the households the night before the survey were interviewed.

In the sub-sample of households selected for the male survey, water testing was performed. Height and weight information was also collected from eligible women and men, as well as children aged 0-59 months.

A sub-sample of one eligible woman in two-thirds of households and one eligible man in one-third of households was randomly selected to be asked questions about domestic violence.



DHS FIELD TOOLS

2022 Uganda
Demographic
Health Survey

Household Questionnaire

Woman's
Questionnaire

Man's
Questionnaire

Biomarker
Questionnaire

- Lists usual members and visitors to identify eligible individuals.
- Basic characteristics per person per household (age, sex, education, etc.)
- Housing characteristics (drinking water source, electricity, material for construction, sanitation facilities, etc.)
- Child labor and discipline
- Water testing
- Salt testing



DHS FIELD TOOLS

2022 Uganda
Demographic

Household
Questionnaire

**Woman's
Questionnaire**

Man's
Questionnaire

Biomarker
Questionnaire ^y

- Background characteristics
- Reproduction, Family planning
- Child, adult and maternal mortality
- Maternal and child health, and nutrition
- Marriage and sexual activity, Fertility preferences
- Husband's characteristics and women's employment
- HIV/AIDS and other STIs, Other adult health issues
- Domestic Violence



DHS FIELD TOOLS

2022 Uganda
Demographic

y

Household
Questionnaire

Woman's
Questionnaire

**Man's
Questionnaire**

Biomarker
Questionnaire

- Background characteristics (age, education, literacy, etc.)
- Marriage and sexual activity
- Fertility preferences
- Employment
- HIV/AIDS and other STIs
- Other adult health issues
- Identify individuals for anthropometry and biomarkers

Translated from English to 8 local languages



DHS FIELD TOOLS

2022 Uganda
Demographic

Household
Questionnaire

Woman's
Questionnaire

Man's
Questionnaire

**Biomarker
Questionnaire**

1. Water testing

- Ecoli
- Flouride
- Laboratory testing undertaken by MoWE

2. Height and weight measurements;

- Children under 5 years
- Women age 15-49
- Men age 15 – 54



Pretest and main survey training

2022 Uganda
Demographic
Health Survey

Pretest:

- **May, 2021** at the Uganda Bureau of Statistics office in Entebbe
- CAPI training was conducted in Kabira Resort Hotel.

Main Survey Training:

- November to December 2021
- **125** fieldworkers (**95 females and 30 males**) trained
- **25 health technicians** recruited and trained on taking height, weight measurements and water testing.



Fieldwork and data Processing

2022 Uganda
Demographic
Health Survey

- A total of **21** teams were formed each comprising of 1 team leader, 3 female and 1 male interviewer, one health technician, and a driver.
- Data collection took place over a 6-month period, from May, 2022 through December 2022.
- Electronic data files collected on tablets through the CAPI system were received via IFSS at UBOS central office in Kampala.
- Data editing was accomplished with CSPro software. Secondary editing and data processing took place from October 2022 and completed in February 2023.



Data editing, analysis and report writing

2022 Uganda
Demographic
Health Survey

- The data was edited from the field, a set of validation rules was built into the data capture application
- Secondary editing at the office
- Peer review of the key indicators



PEER REVIEW TEAM

2022 Uganda
Demographic
Health Survey

Organization	Peer Reviewer	Organization	Peer Reviewer
UNFPA	Dr. Fredrick Okwayo	WHO	Dr. Sentumbwe Olive
	Daniel Alemu		Dr. Natseri Nasan
	Florence Tagoola Mpabulungi		Dr. Hillary Kipruto
	Dr. Hassan Eini-Zinab		Dr. Benson Droti
	Muhammad Ali Raza		
	Johnson Lubega Kagugube		
UNICEF	Dr. Moses Sichei	UBOS	Helen Nviiri Namirembe
	Martin Njoroge		Dr. Vincent Ssenono
	Arthur Mutesaasira		Johnstone Galande
	Daniel Okello		
	Brian Wakholi		
	Moses Mbuusi		
	Derrick Eranda		
	Francis Kayondo		
	Lawrence Mukula		



OBJECTIVES

- Assess the procedure from raw to final dataset
- Assess the weight calculation procedure
- Assess the data quality
- Assess the quality of key indicators generated from the data
- Quality check for standard errors
- Capacity strengthening of UBOS technicians/experts
- Documenting the process



METHODOLOGY

- Brainstorming and consultative meetings
- Document review and understanding the UDHS data structure
- Data processing and analysis
- Documenting the process and findings



FINDINGS/CONTRIBUTIONS

- This exercise facilitated the acquisition of essential experience and knowledge by UBOS in data processing and result generation
- The team processed and managed raw data to construct the final files, employing the CsPro program
- Survey weights were recalculated for the new dataset
- Data quality underwent assessment through both internal and external checks
- Various computer programs were carefully reviewed and generated to ensure precise estimates
- The methodology and corresponding code for Standard Error of estimates were shared with UBOS
- Knowledge transfer and capacity building



Results of Household and Individual Interviews

2022 Uganda
Demographic
Health Survey

Results	Urban	Rural	Total
Household interviews			
Households selected	6,864	13,617	20,481
Households occupied	6,702	13,330	20,032
Households interviewed	6,591	13,167	19,758
Household response rate ¹	98	99	99
Interviews with women age 15–49			
Number of eligible women	6,598	12,479	19,077
Number of eligible women interviewed	6,241	12,010	18,251
Eligible women response rate ²	95	96	96
Interviews with men age 15–49			
Number of eligible men	1,980	3,947	5,927
Number of eligible men interviewed	1,726	3,657	5,383
Eligible men response rate ²	87	93	91



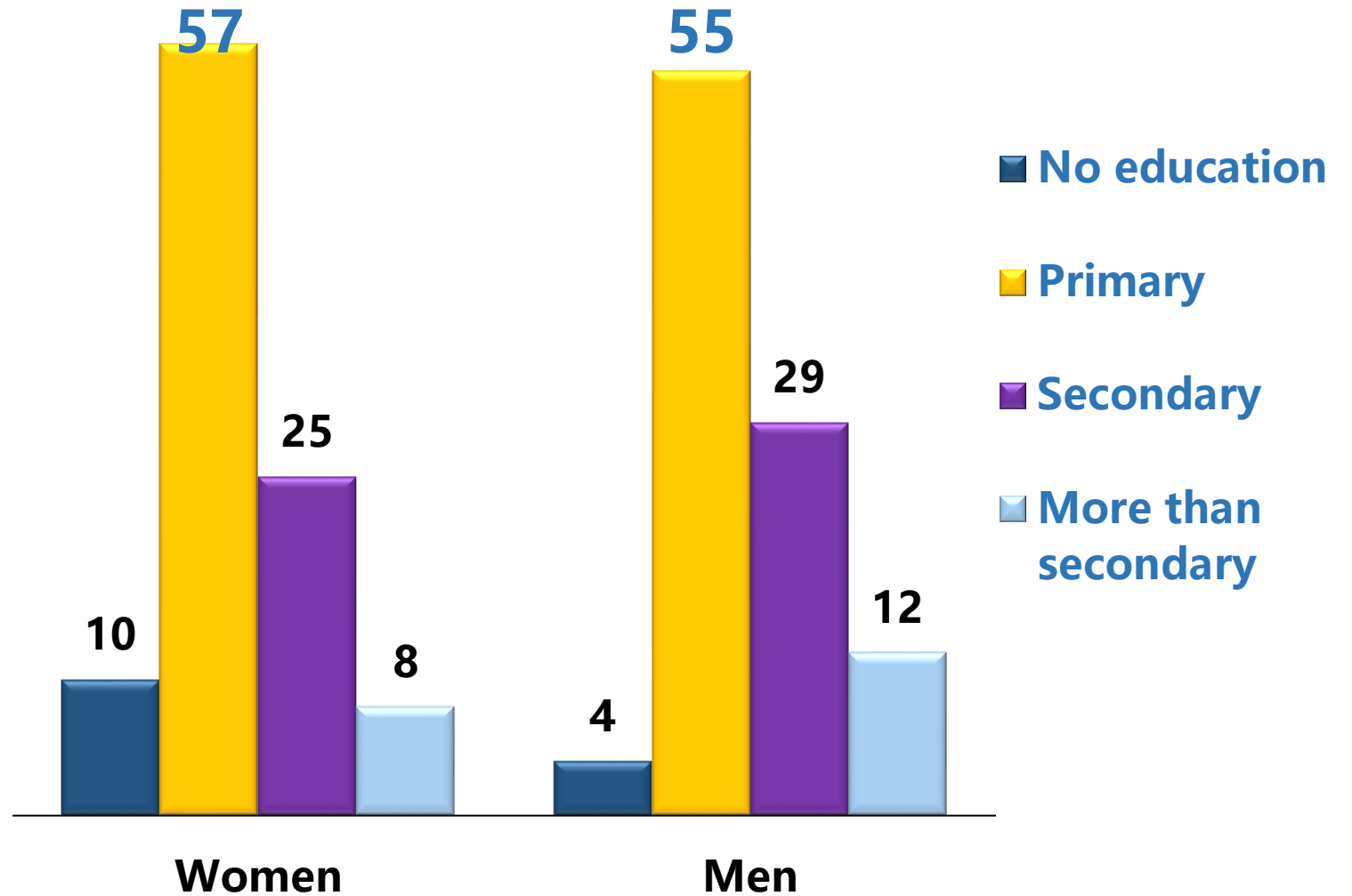
Background:

Households and Respondents



Percent distribution of women and men aged 15-49

2022 Uganda
Demographic
Health Survey





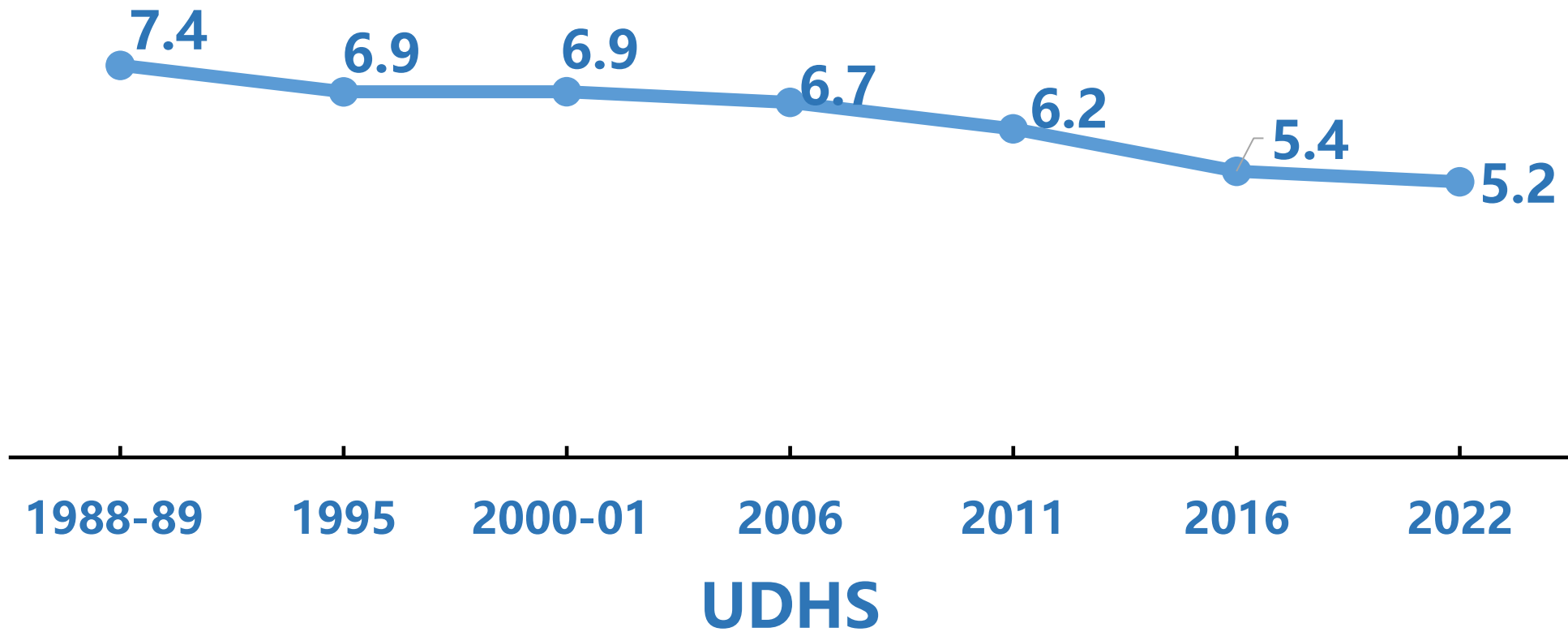
FERTILITY AND FAMILY PLANNING



Fertility trends

2022 Uganda
Demographic
Health Survey

Births per woman for the 3-year period before the survey

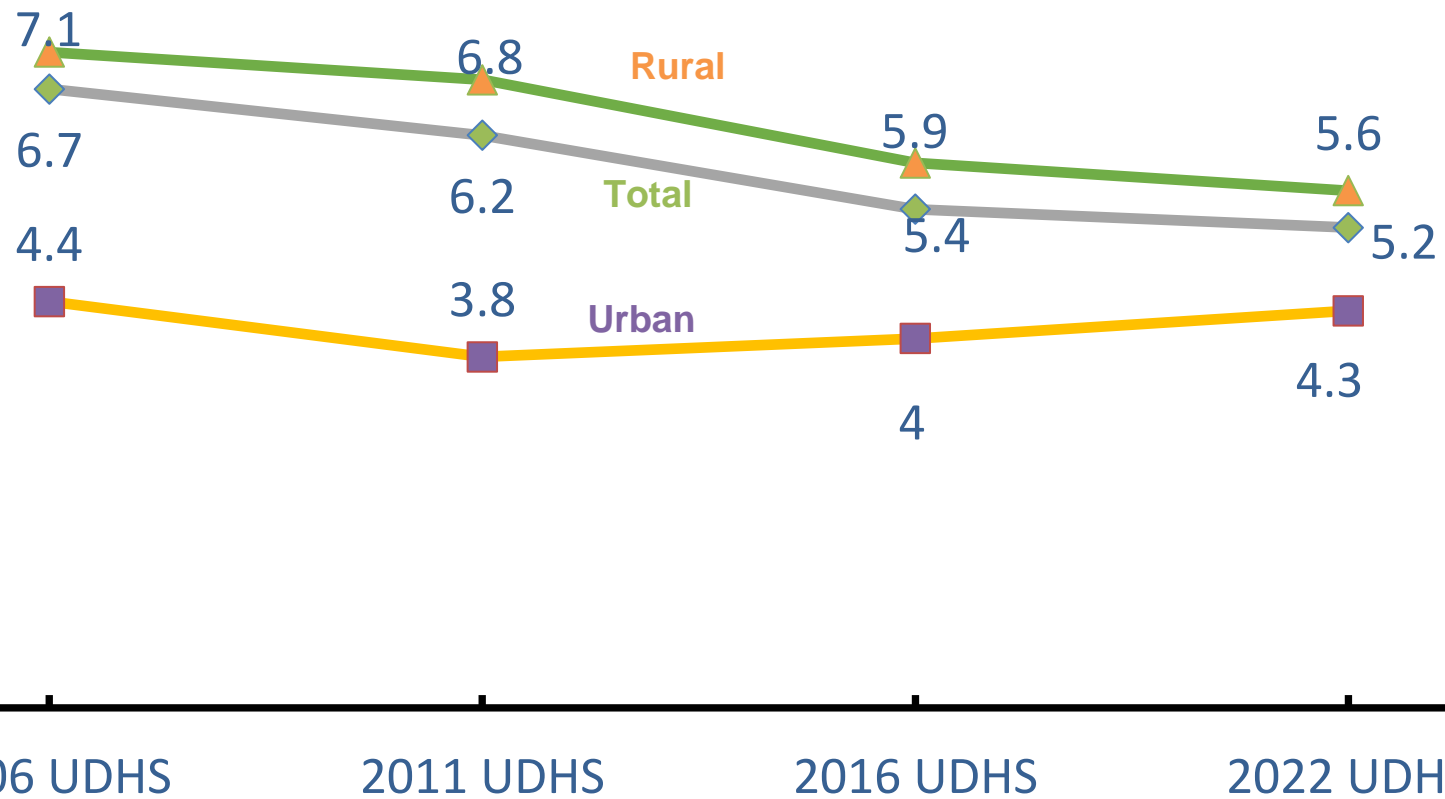




Fertility trends

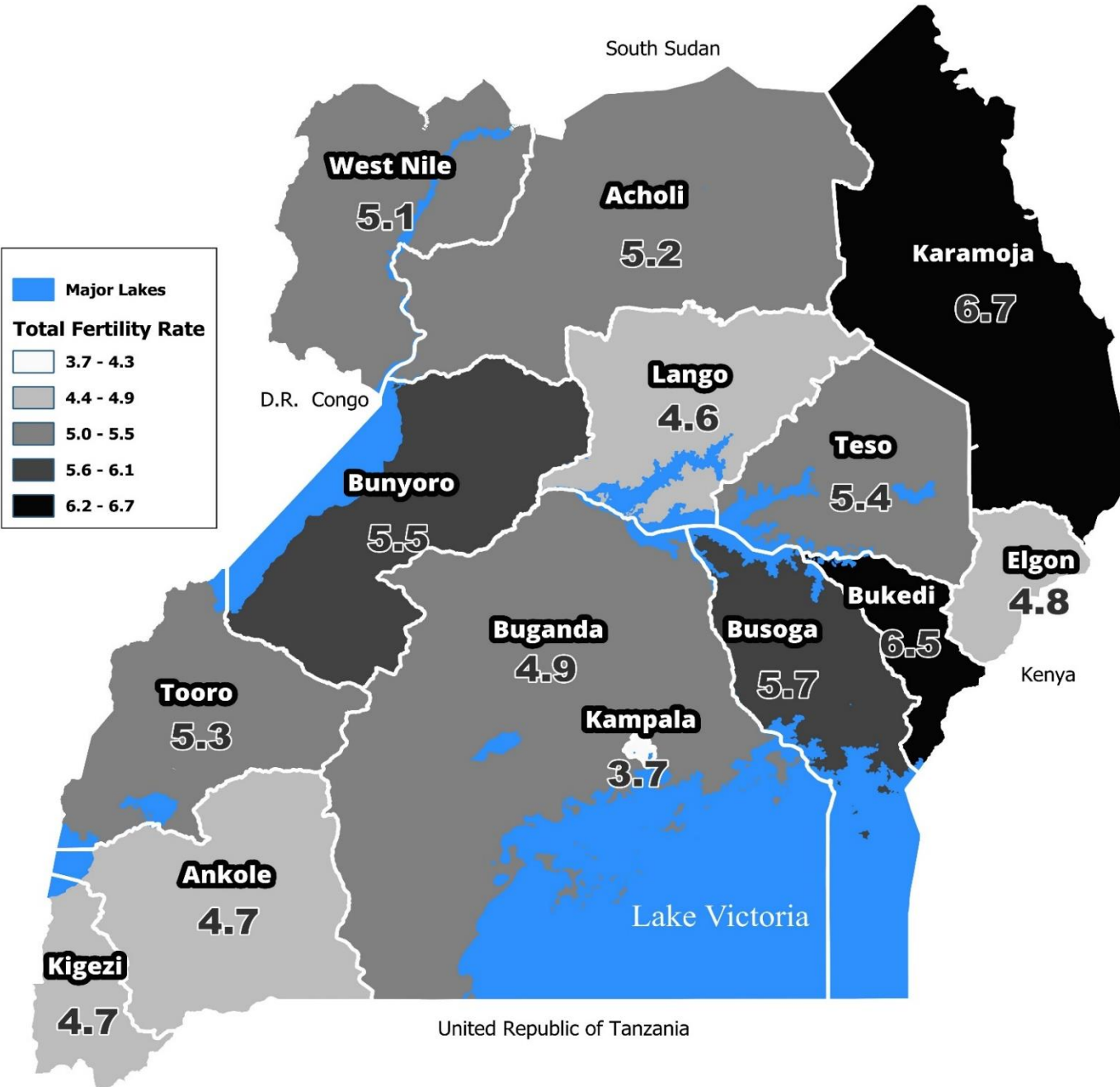
2022 Uganda
Demographic
Health Survey

Births per woman for the 3-year period before the survey





Fertility by region

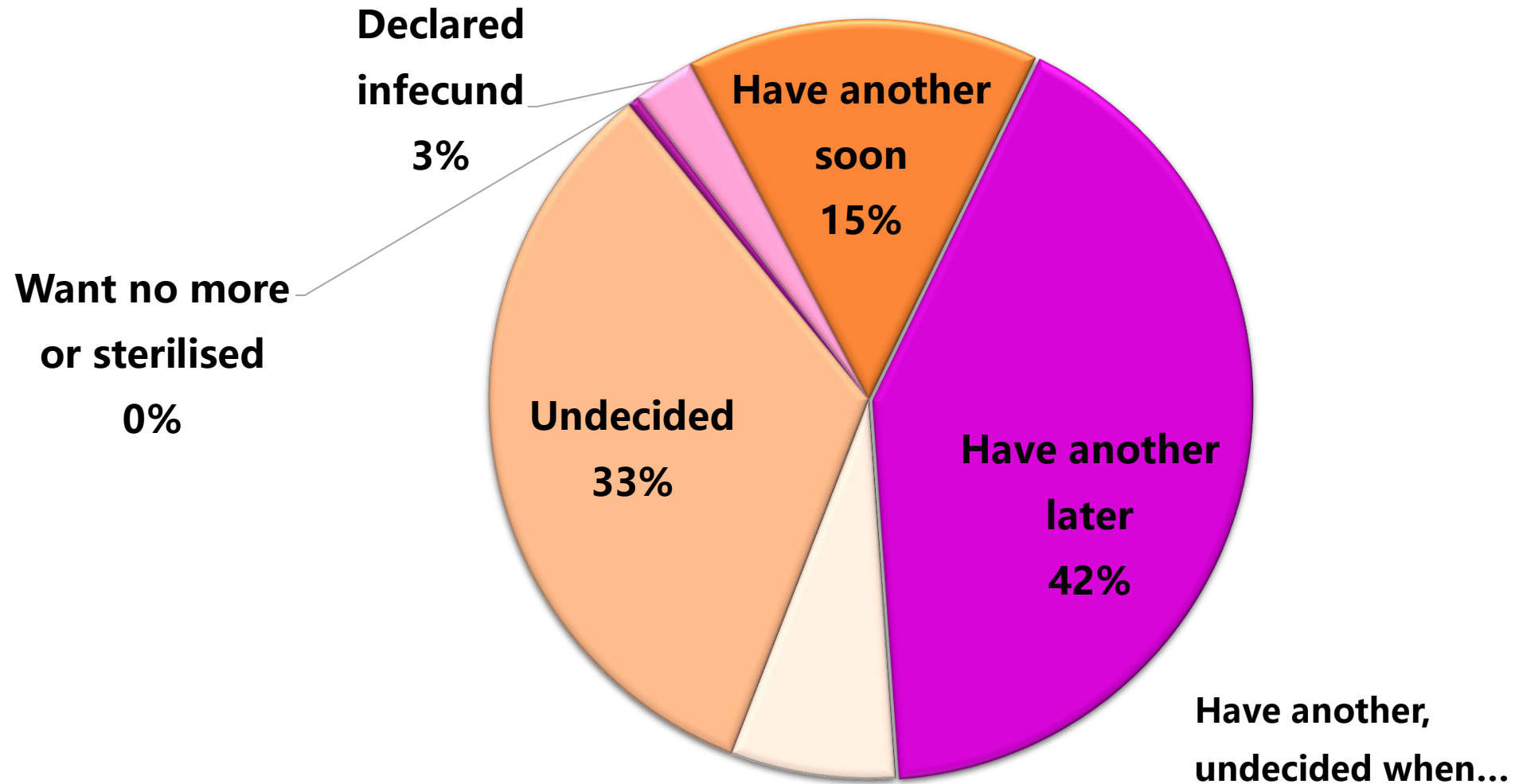




Fertility preferences of married women

2022 Uganda
Demographic
Health Survey

Percent distribution of currently married women aged 15-49 by desire for children

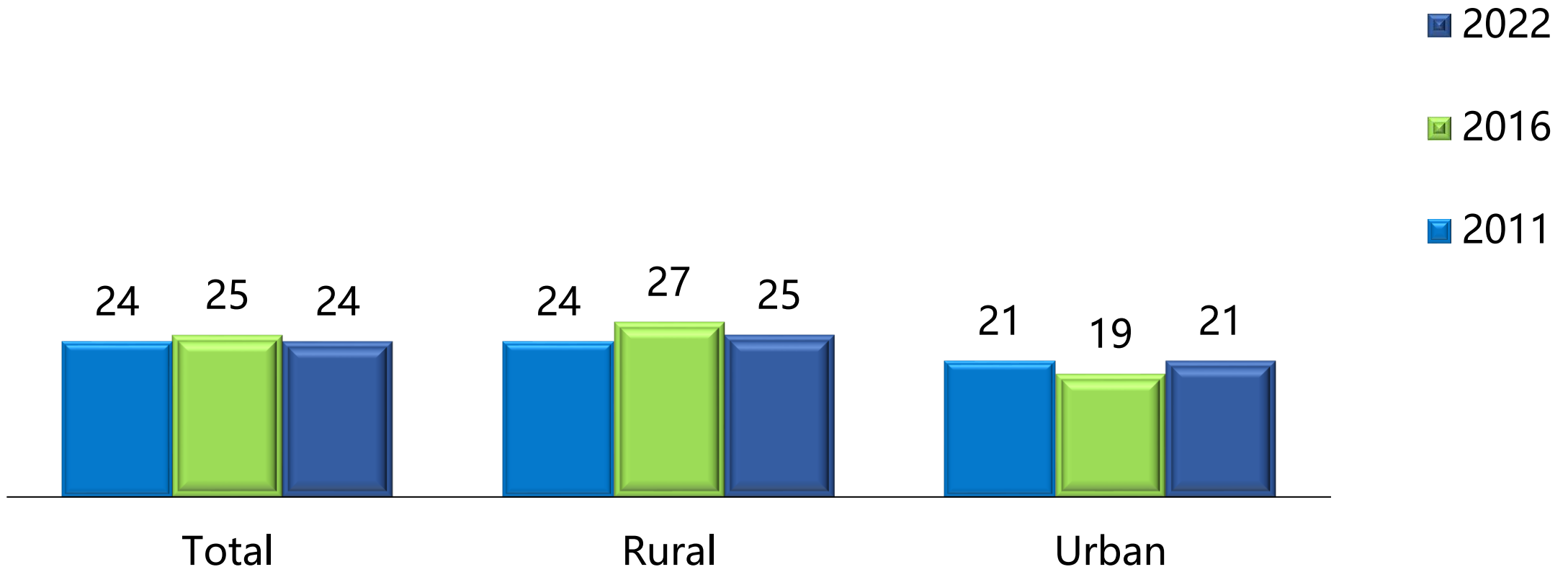




Teenage childbearing by residence

2022 Uganda
Demographic
Health Survey

Percent of women age 15-19 who are mothers or pregnant with their first child

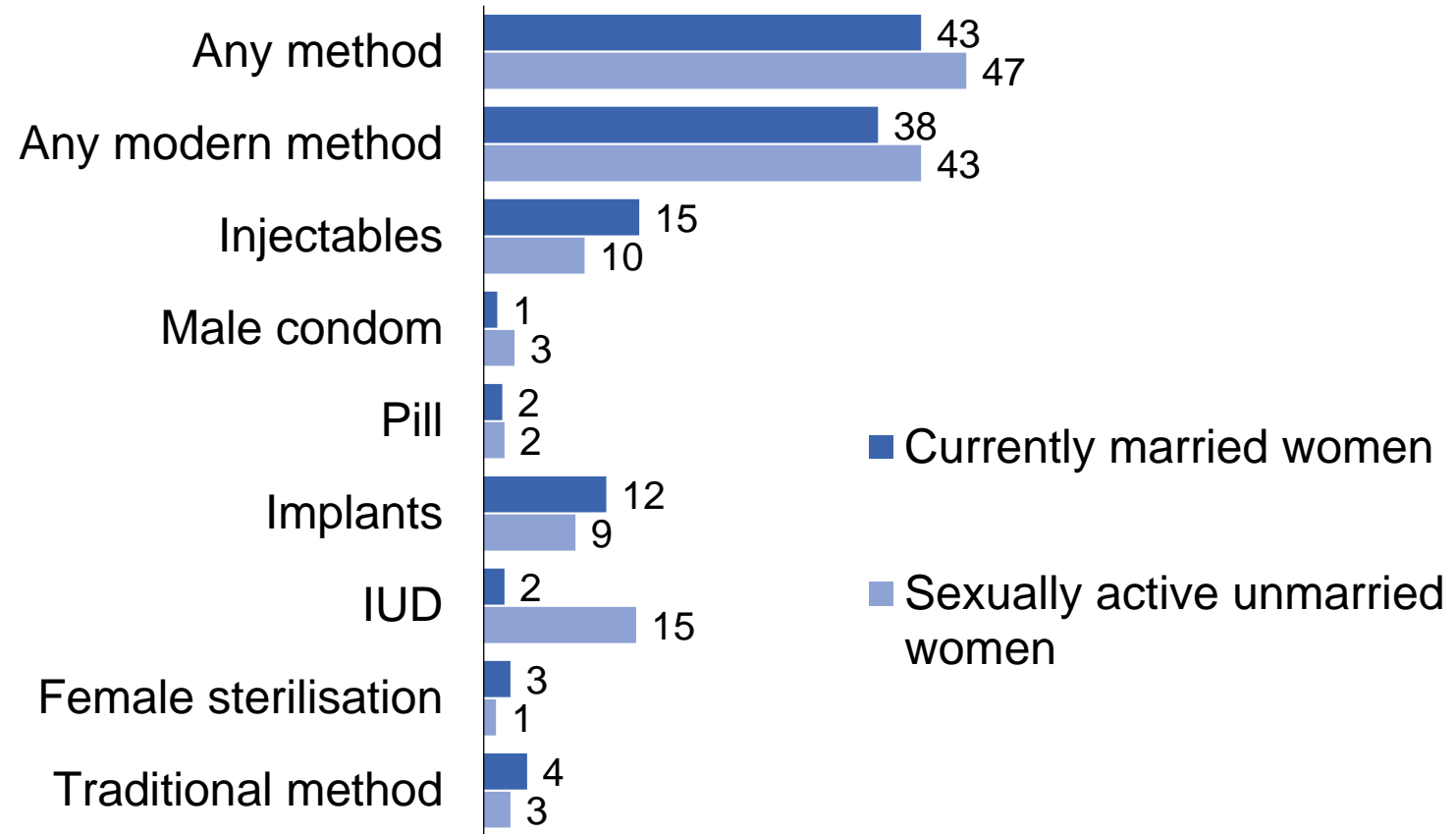




Current use of contraception

Percent of women aged 15-49

Percentage of women age 15-49 currently using a contraceptive method

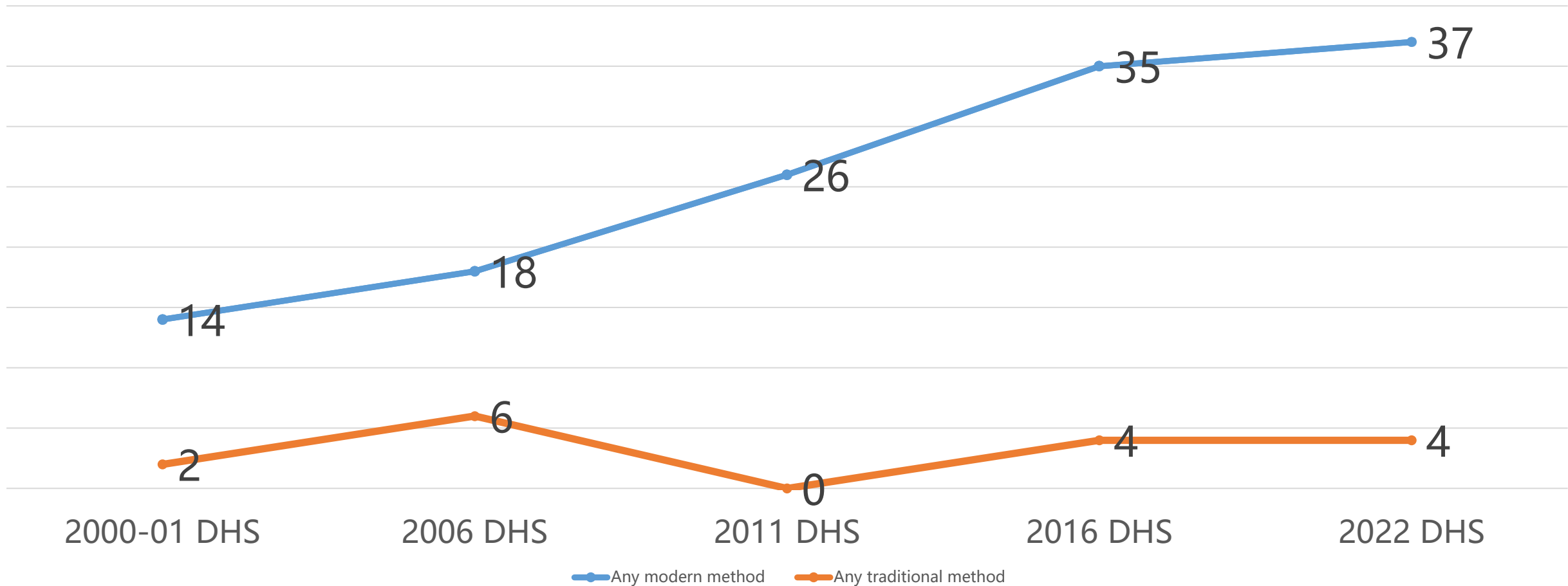




Trends in contraceptive use

2022 Uganda
Demographic
Health Survey

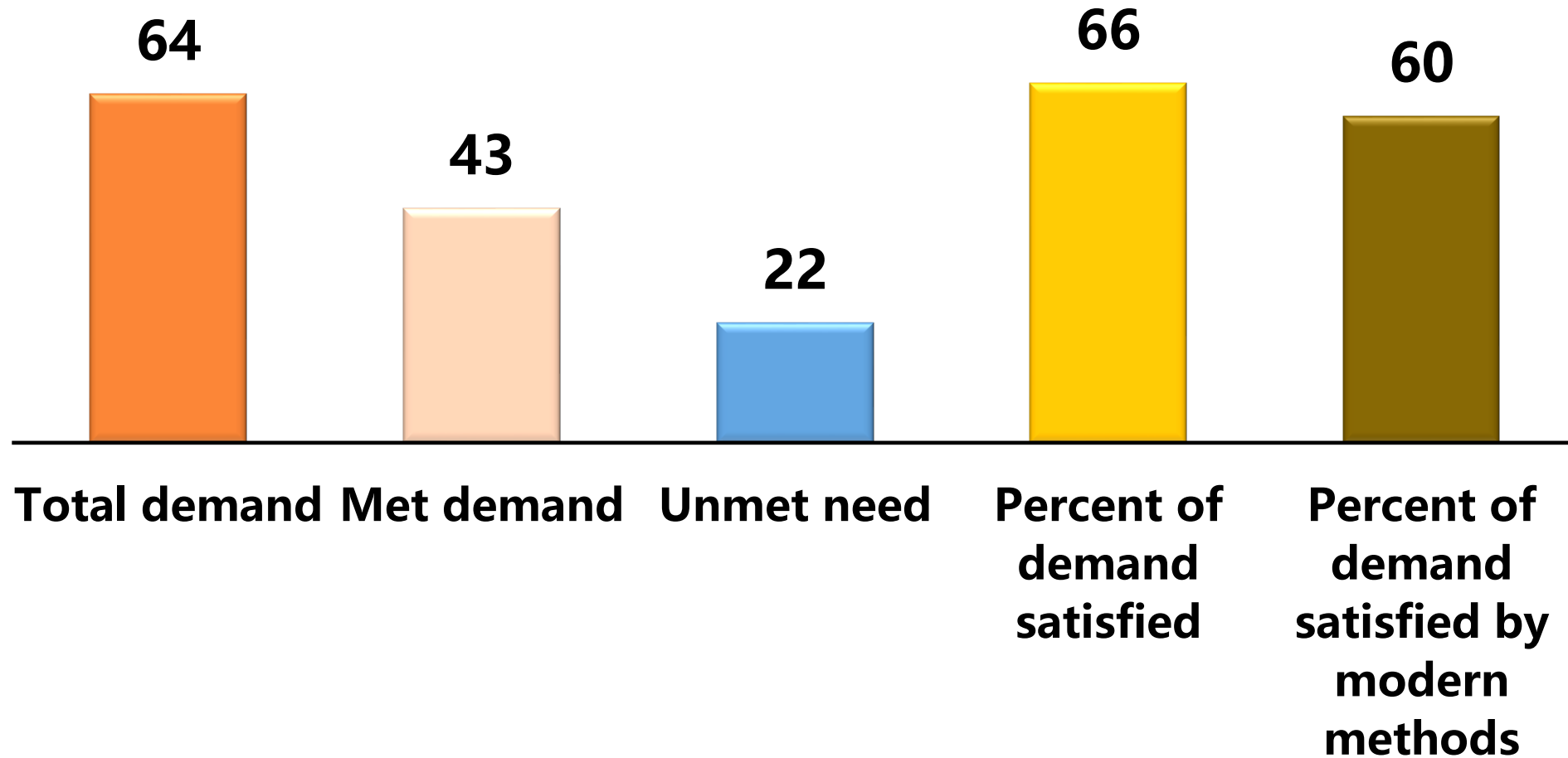
Percent of currently married women age 15-49 who were using any method and those using a modern method of family planning





Demand for family planning

Percent of currently married women age 15-49

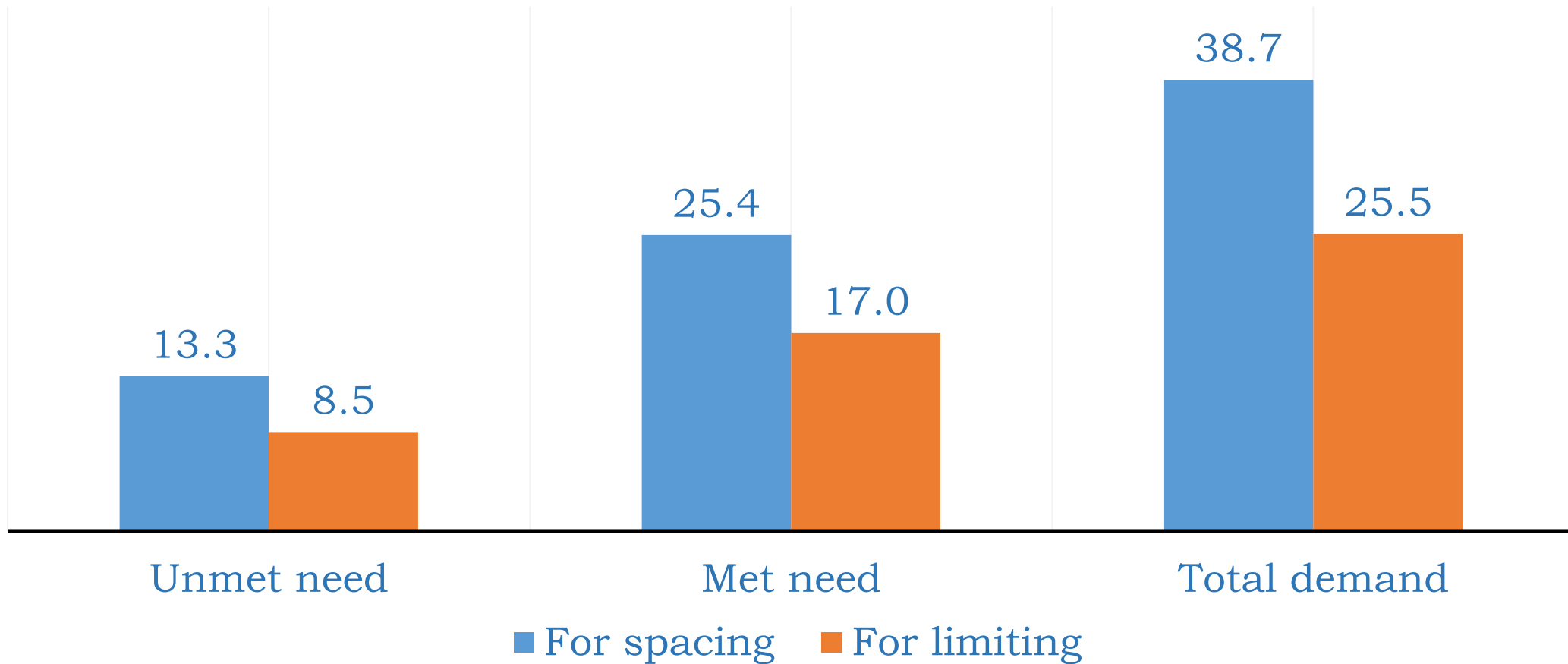




Demand for family planning

2022 Uganda
Demographic
Health Survey

Percent of currently married women aged 15-49

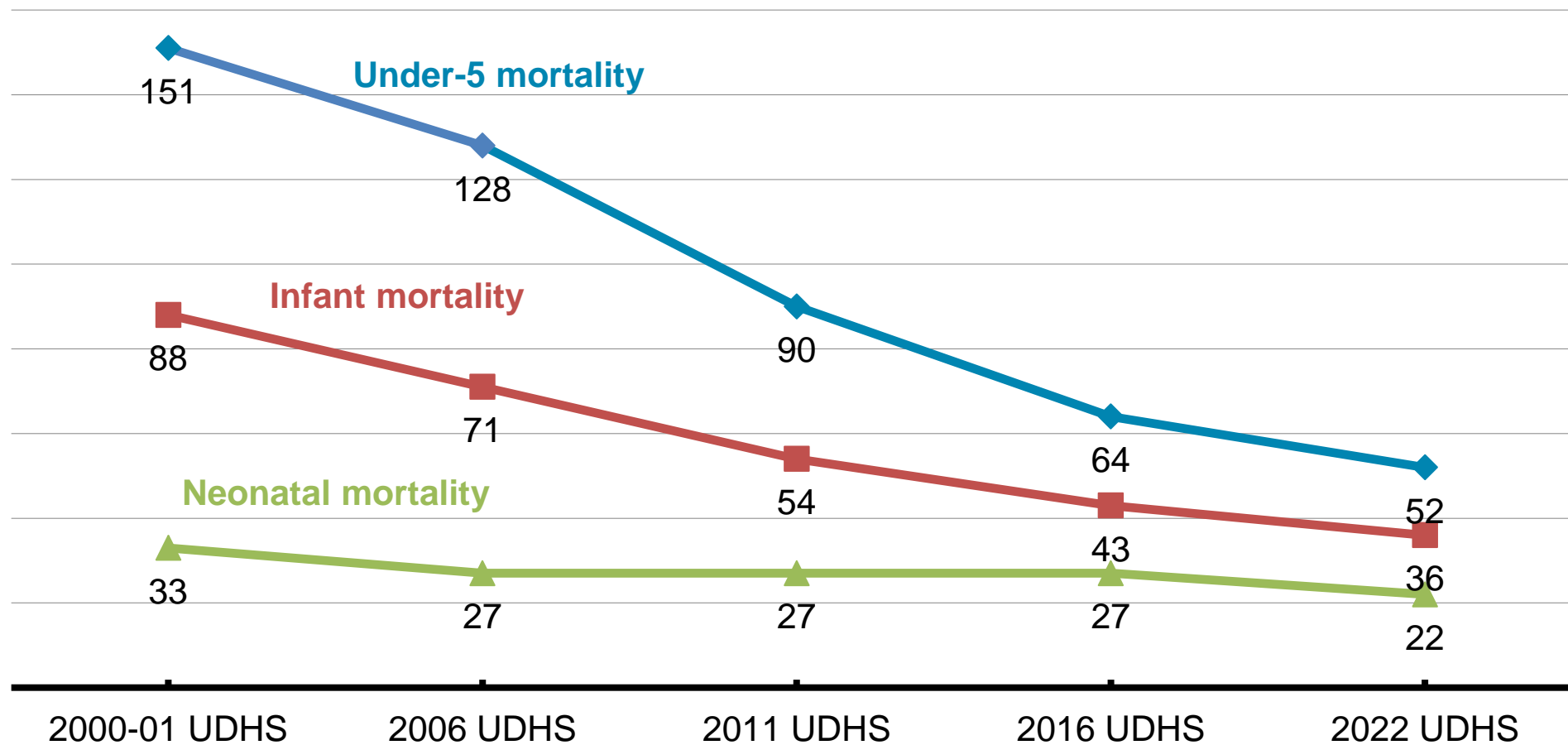




Trends in childhood mortality

2022 Uganda
Demographic
Health Survey

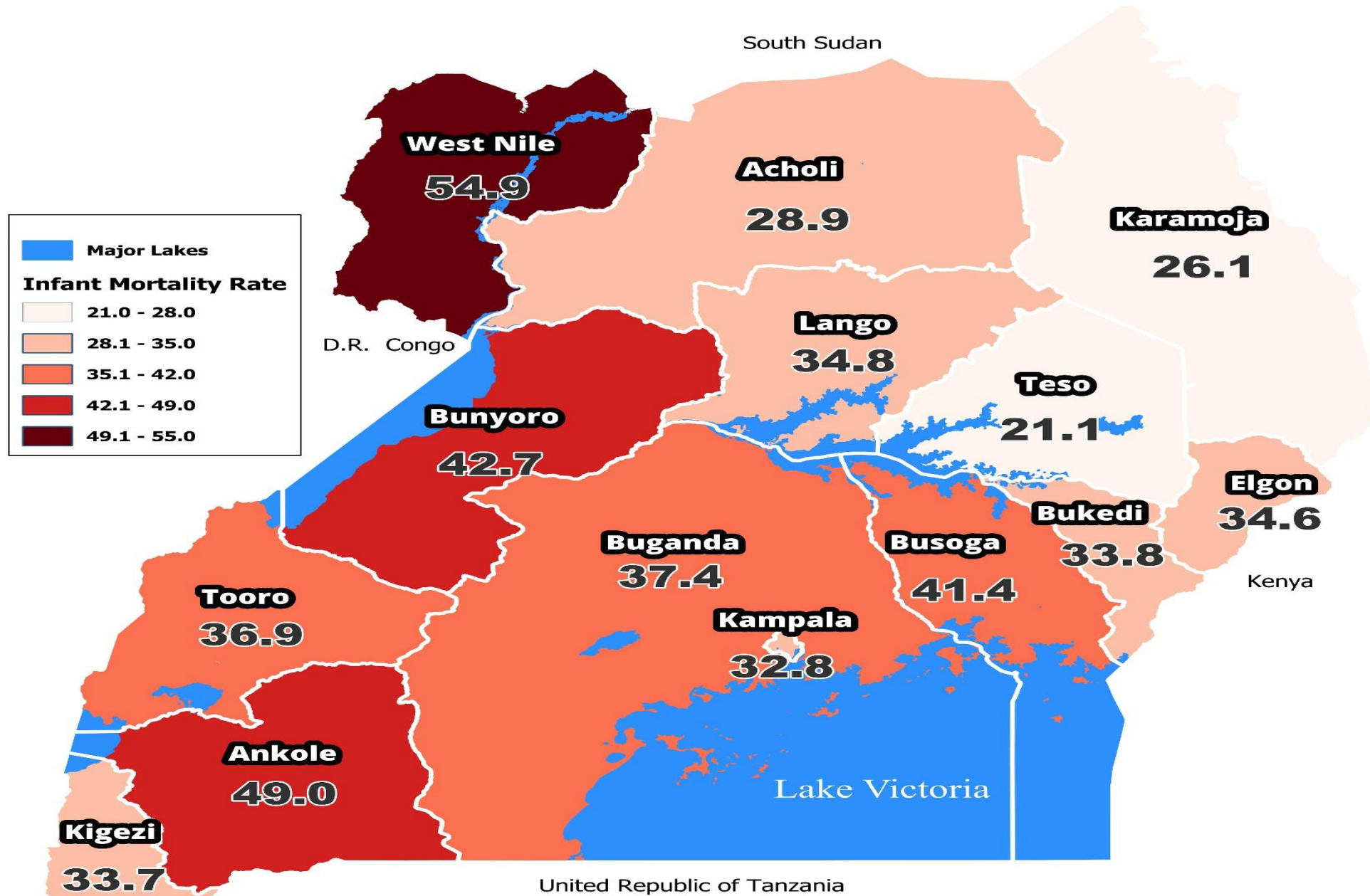
Deaths per 1,000 live births for the 5-year period before the survey





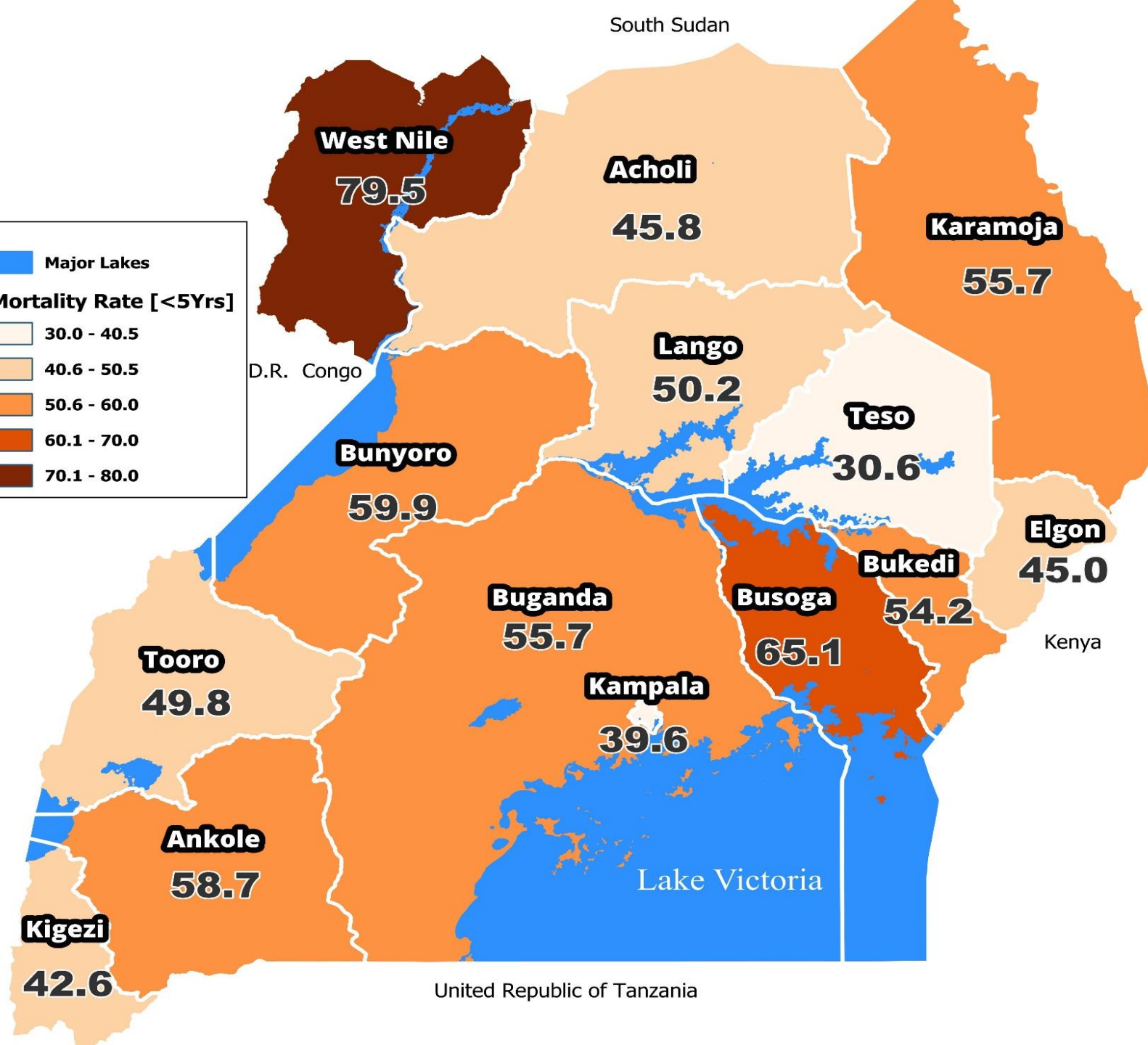
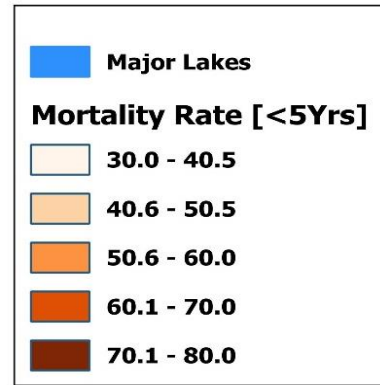
Infant Mortality by region

2022 Uganda
Demographic
Health Survey





Under 5 Mortality by region



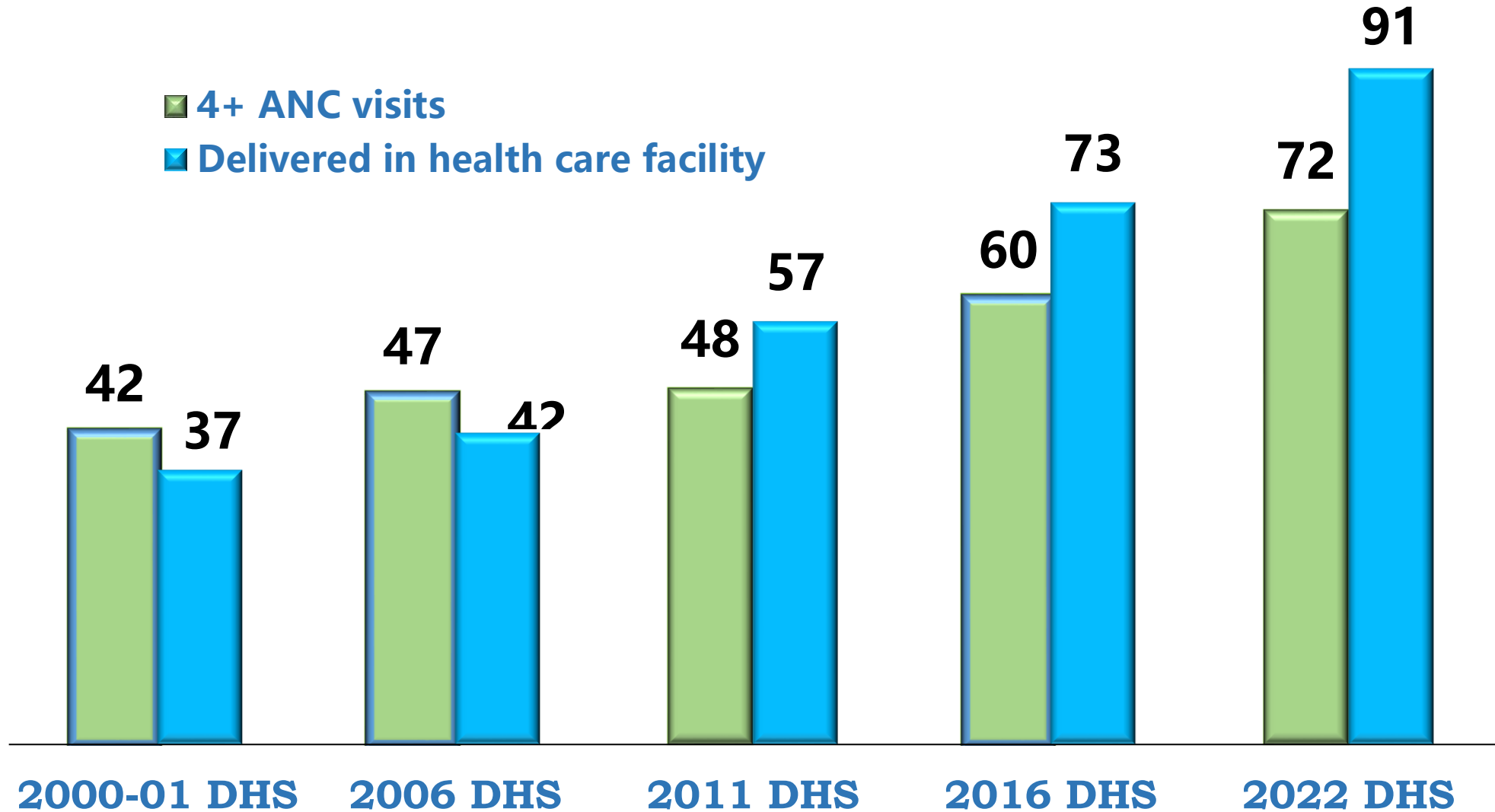
United Republic of Tanzania



Trends in maternal health

2022 Uganda
Demographic
Health Survey

Percent of live births for the 5-year period before the survey

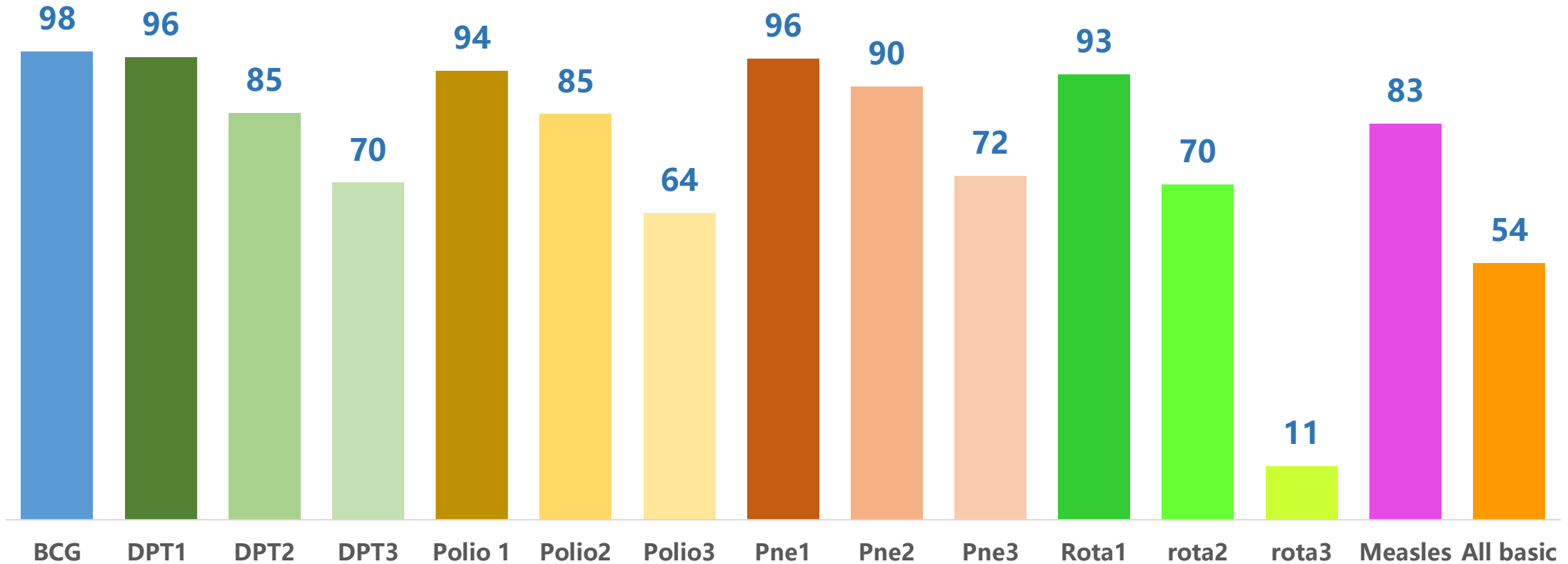




Childhood Vaccinations

2022 Uganda
Demographic
Health Survey

Percent of children 12-23 months vaccinated

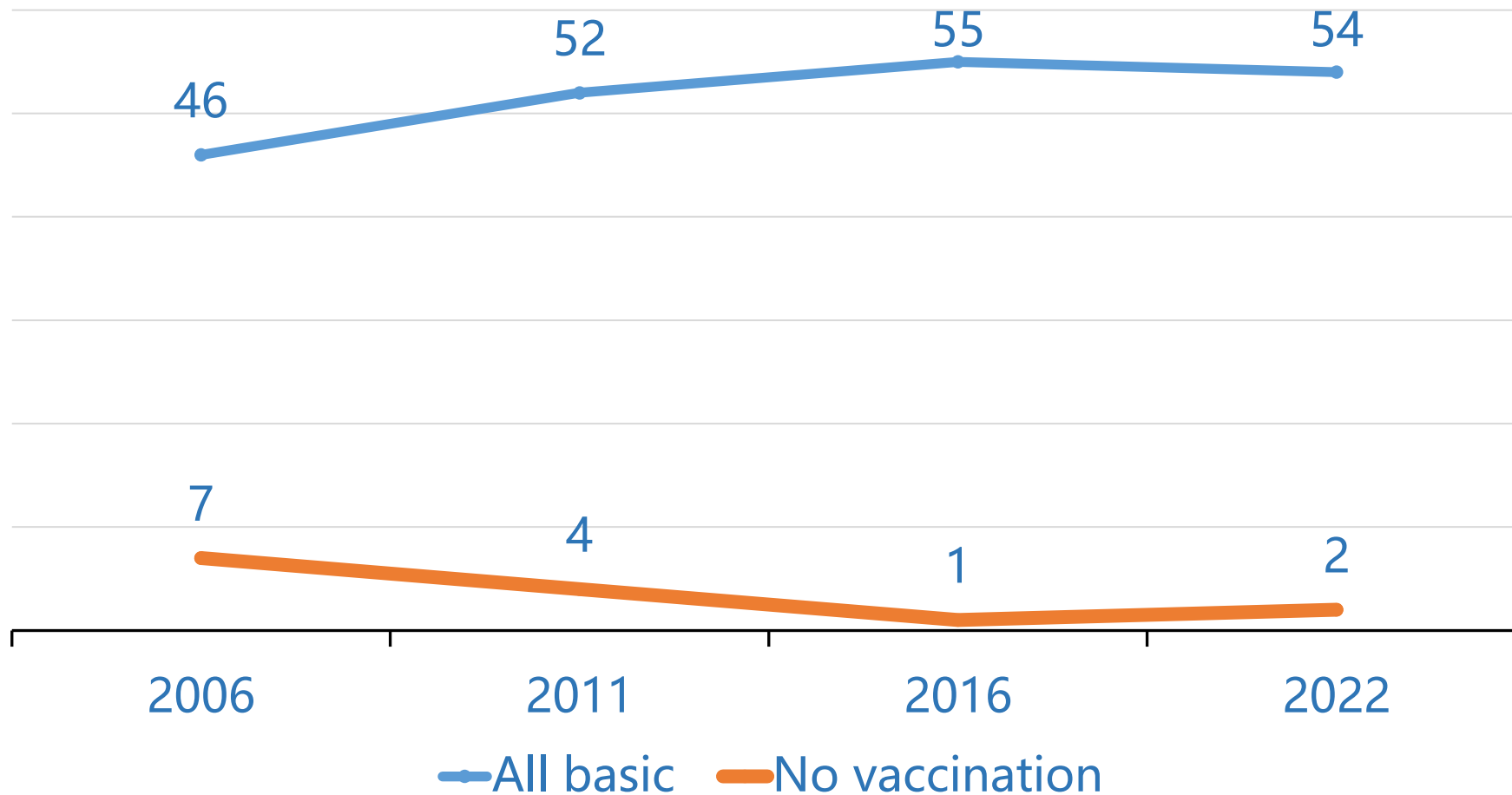




Trends in Basic Vaccination Coverage

2022 Uganda
Demographic
Health Survey

Percent of children age 12-23 months with all basic vaccinations

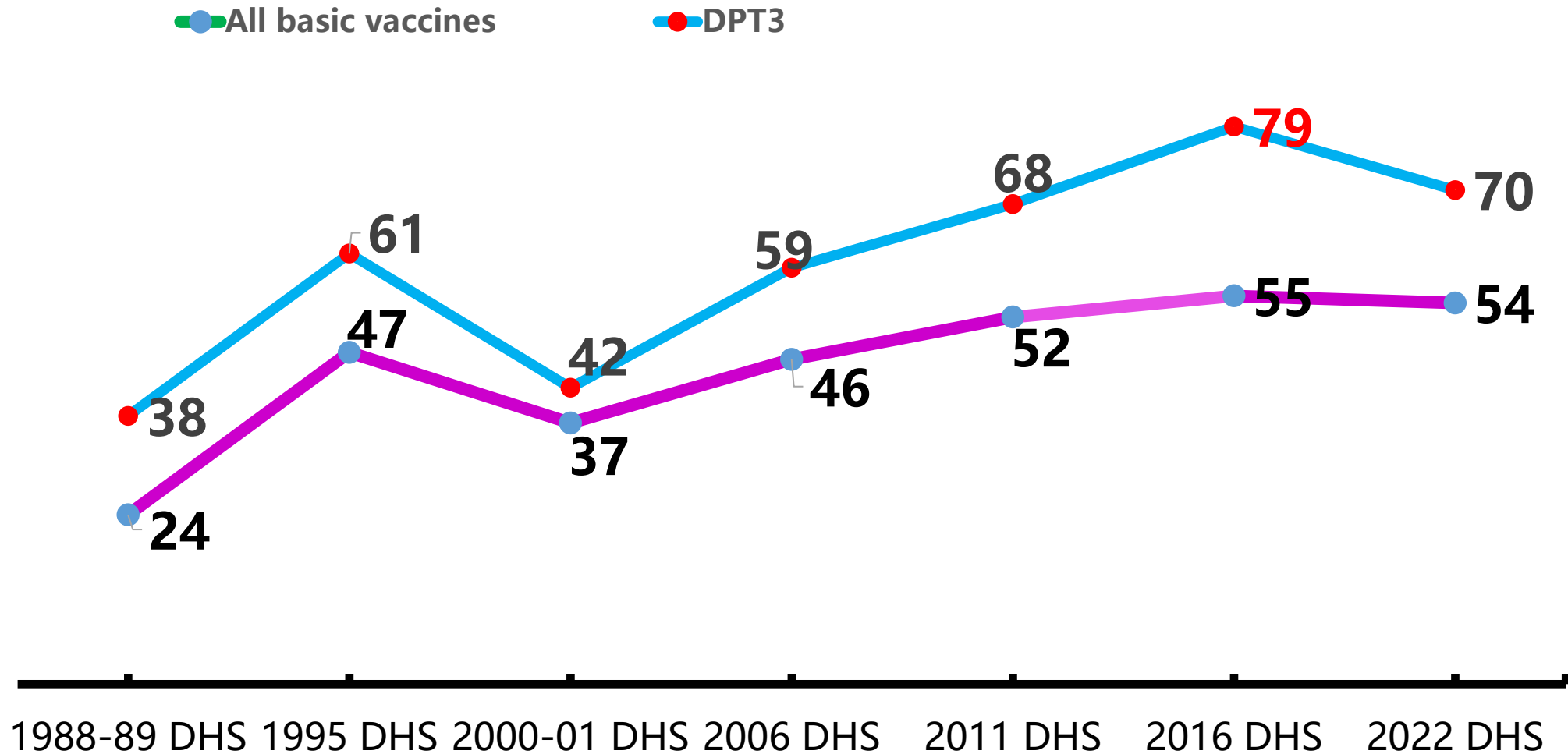




Trends in Basic Vaccination Coverage

2022 Uganda
Demographic
Health Survey

Percent of children aged 12-23 months with all basic vaccinations

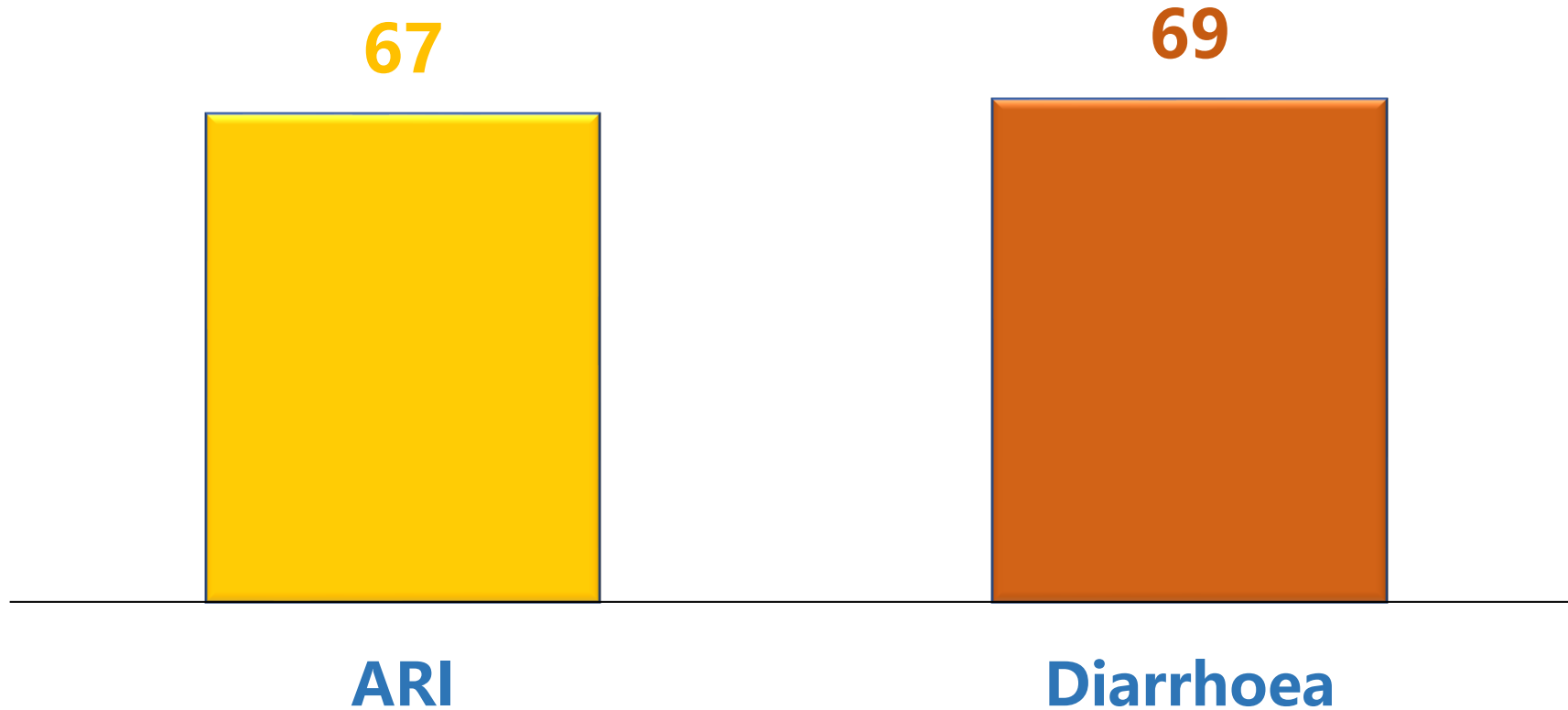




Childhood illness

2022 Uganda
Demographic
Health Survey

Among children under 5 with symptoms of acute respiratory infection (ARI), fever, or diarrhoea, percent for whom advice or treatment was sought from a health facility or provider

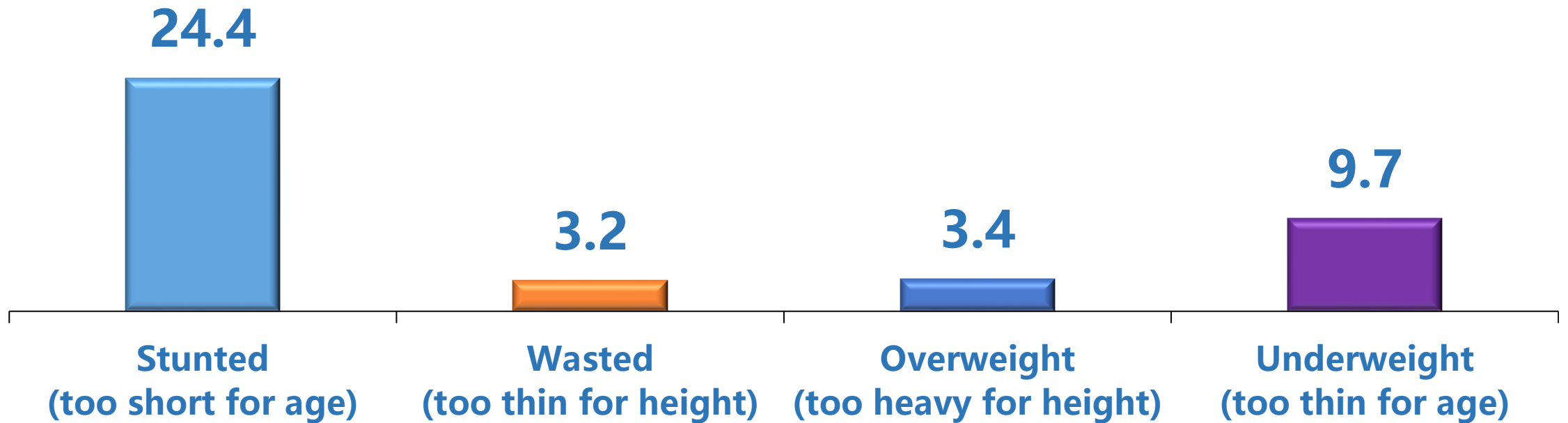




Nutritional Status of Children

2022 Uganda
Demographic
Health Survey

Percent of children under 5

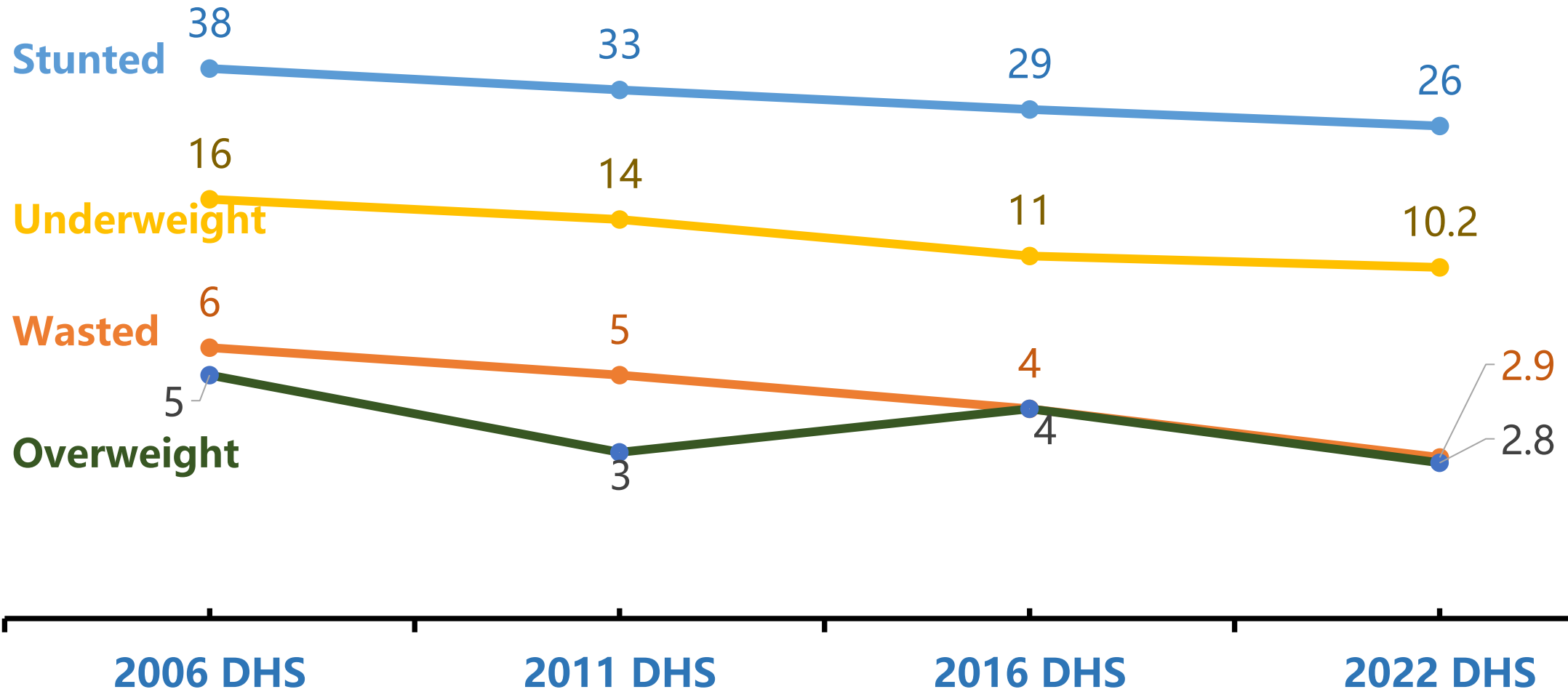




Trends in Nutritional Status of Children

2022 Uganda
Demographic
Health Survey

Percent of children under 6 -59 months

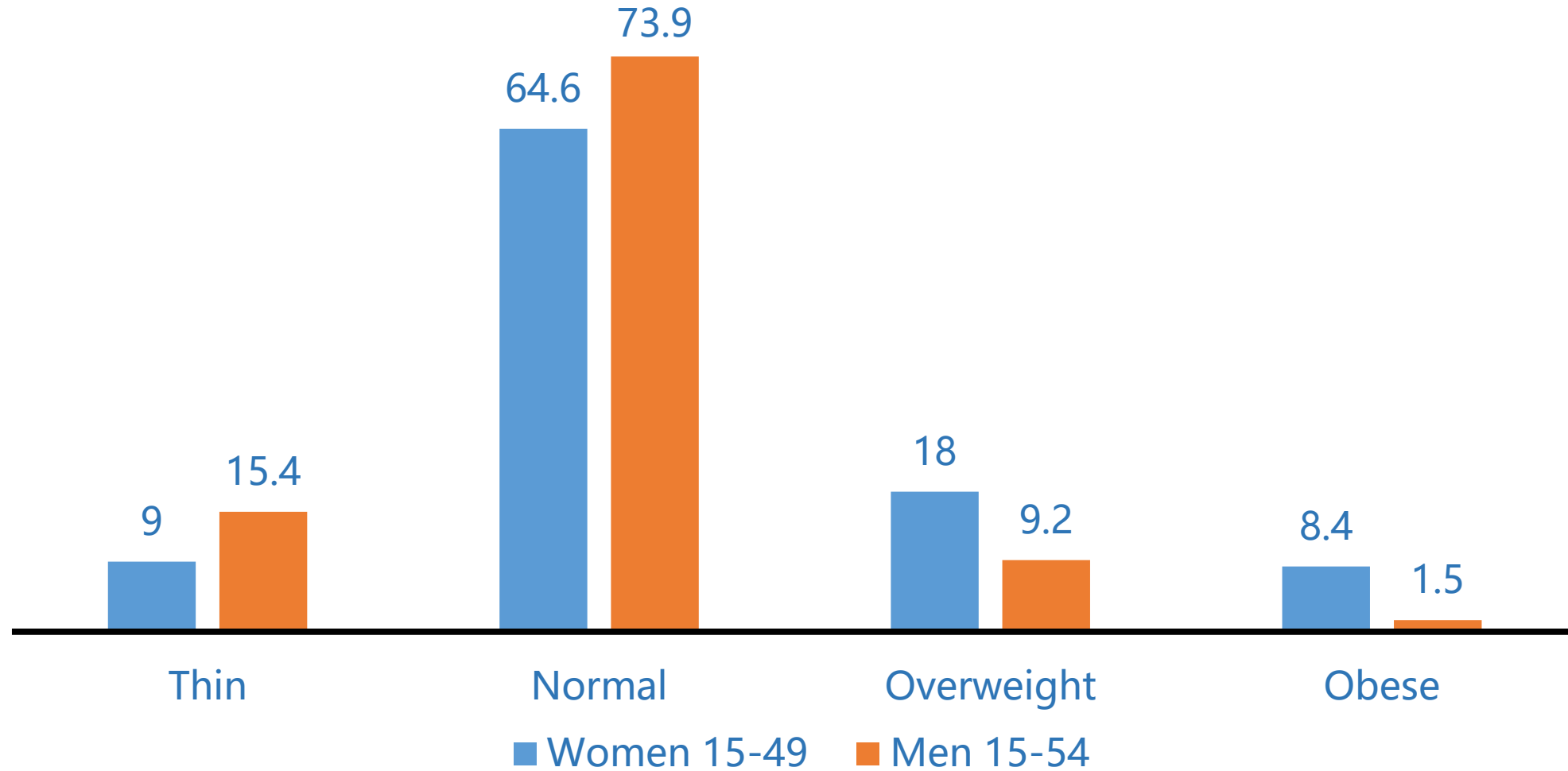




Trends in Nutritional Status of Women and men

2022 Uganda
Demographic
Health Survey

Percent of women aged 15-49 and men aged 15-54

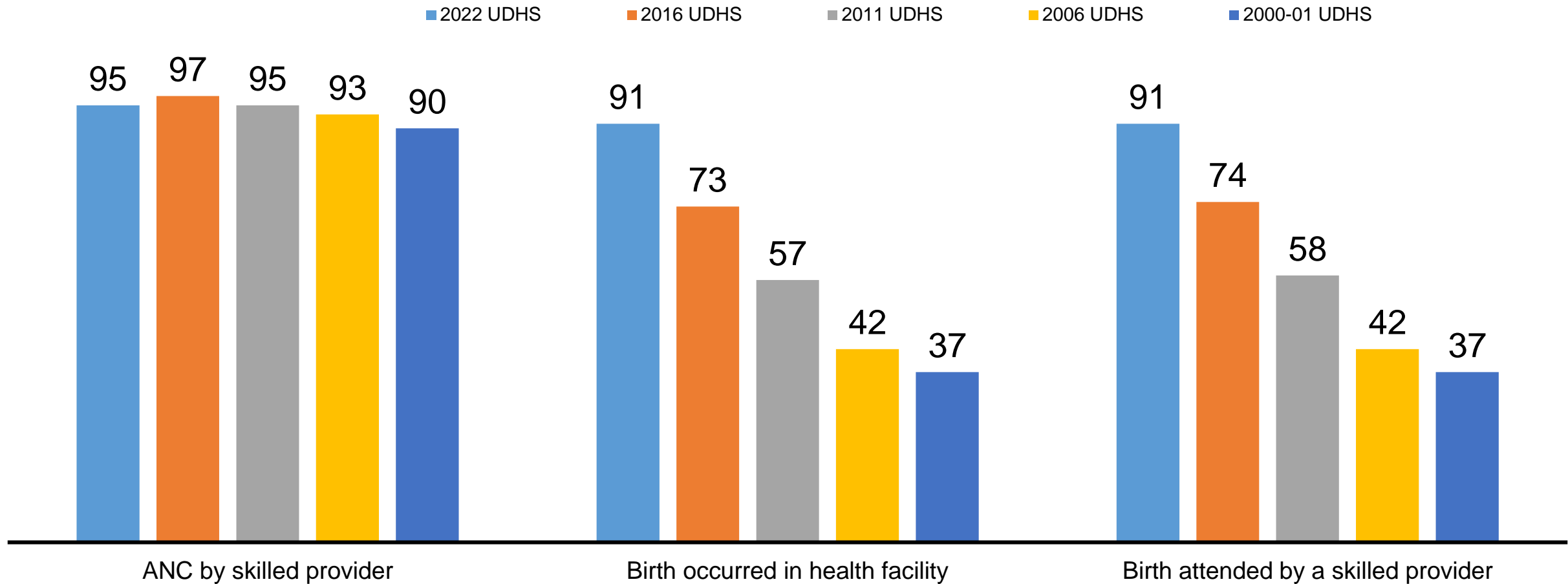




Trends in maternal health care coverage

2022 Uganda
Demographic
Health Survey

Percent of women age 15-49 with a live birth in the 5 years before the survey for most recent birth

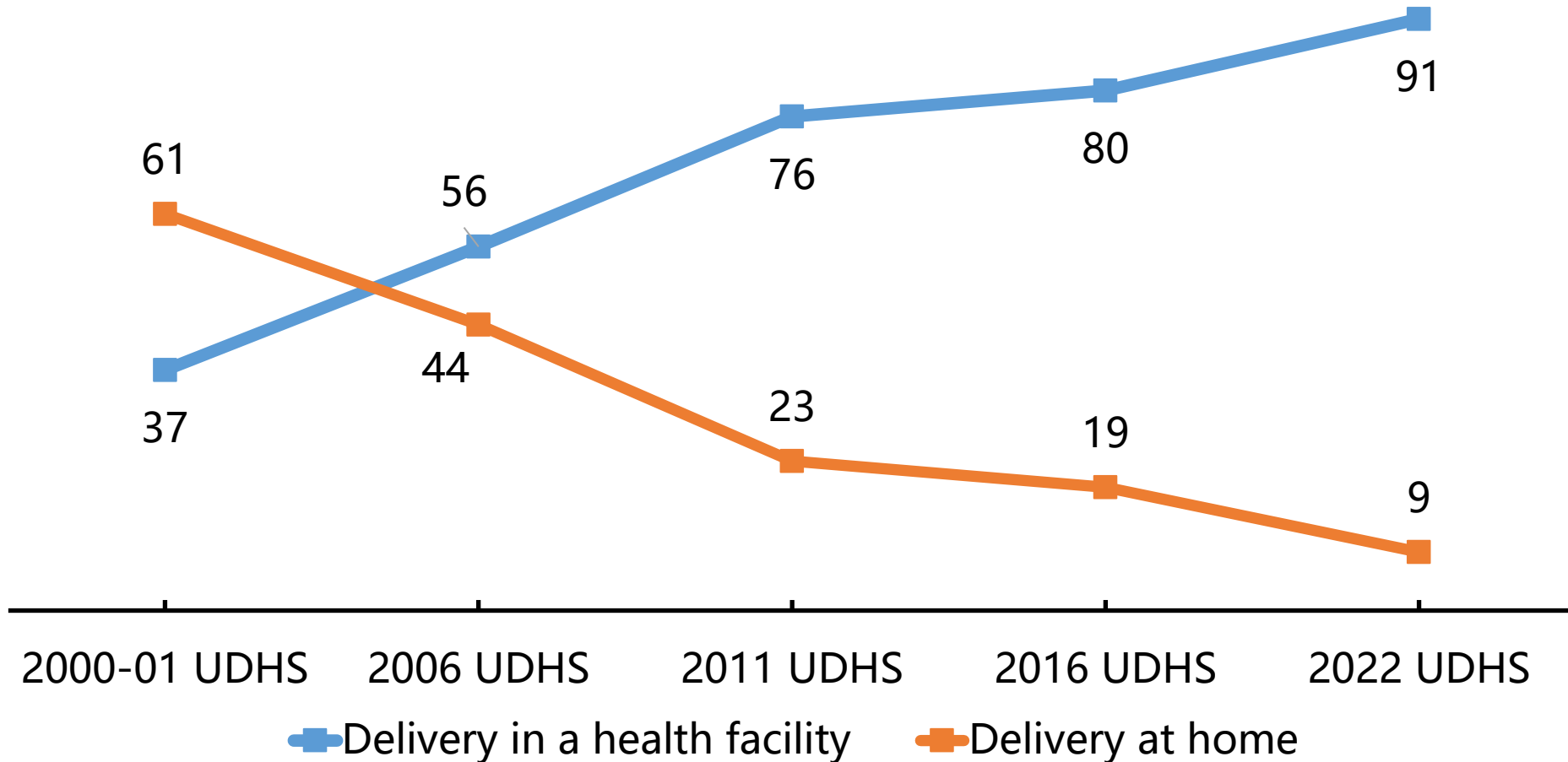




Trends in place of delivery

2022 Uganda
Demographic
Health Survey

Percent of live births in the 5-year period before the survey

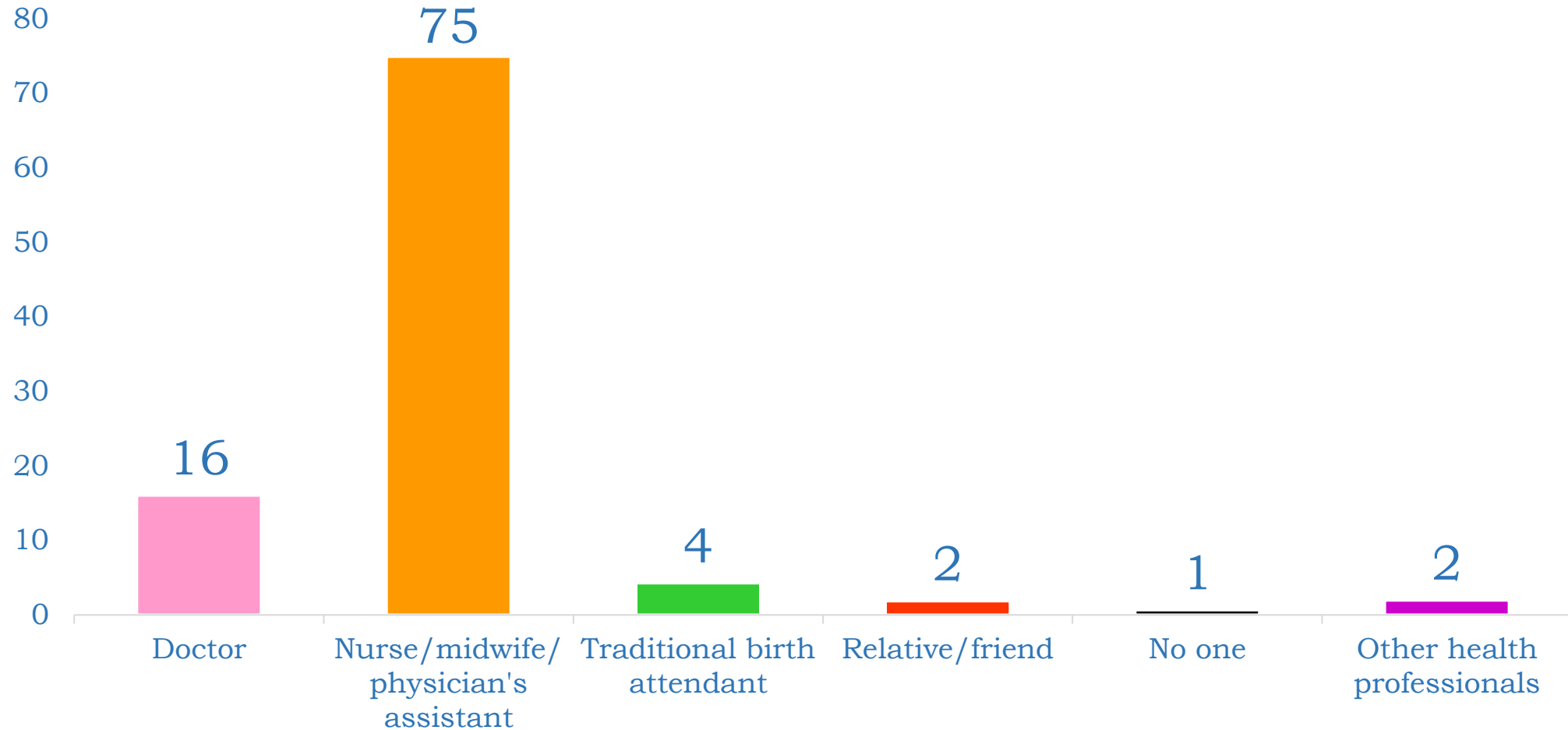




Assistance during delivery

2022 Uganda
Demographic
Health Survey

Percent distribution of live births in the 5-year period before the survey



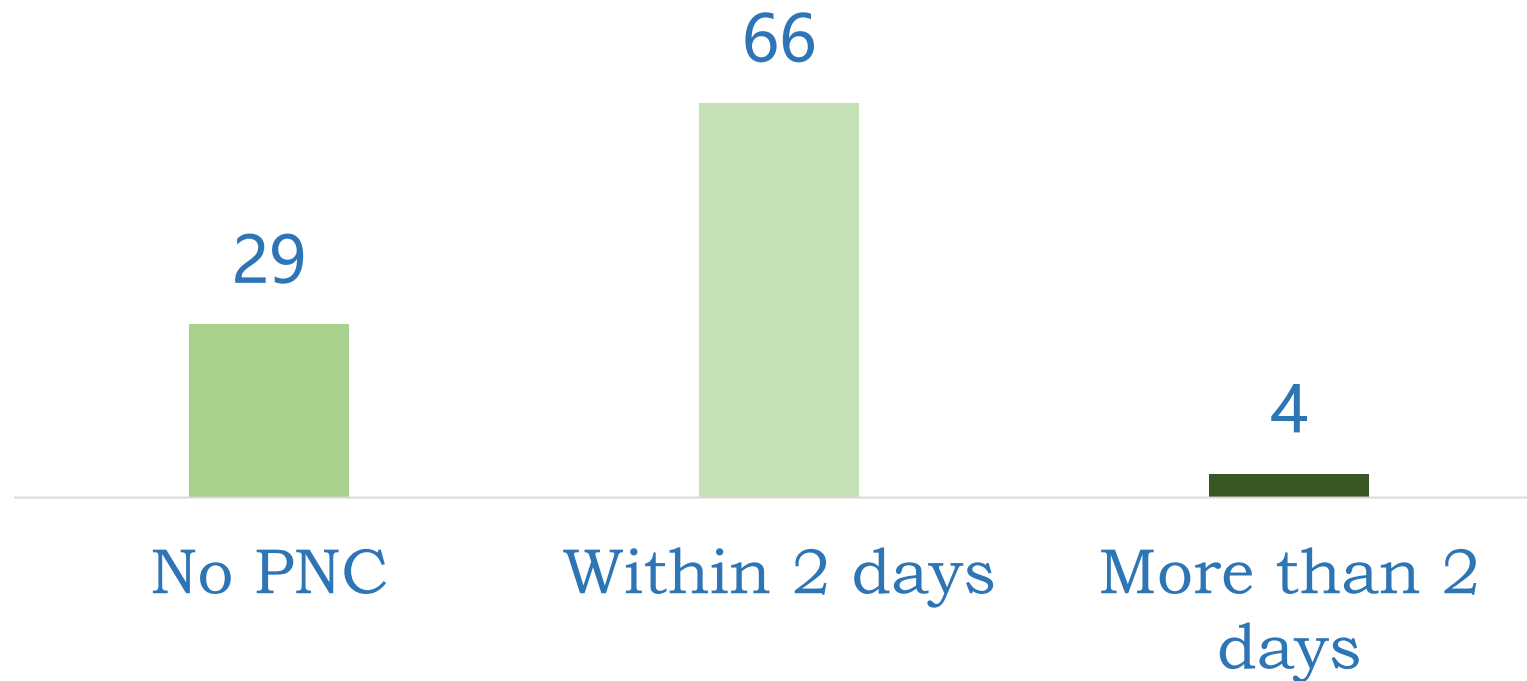
**Skilled provider includes doctor, nurse, midwife, and physician's assistant.*



Timing of Postnatal Care (PNC) for Mother

2022 Uganda
Demographic
Health Survey

Percent of live births in the 2-year period before the survey





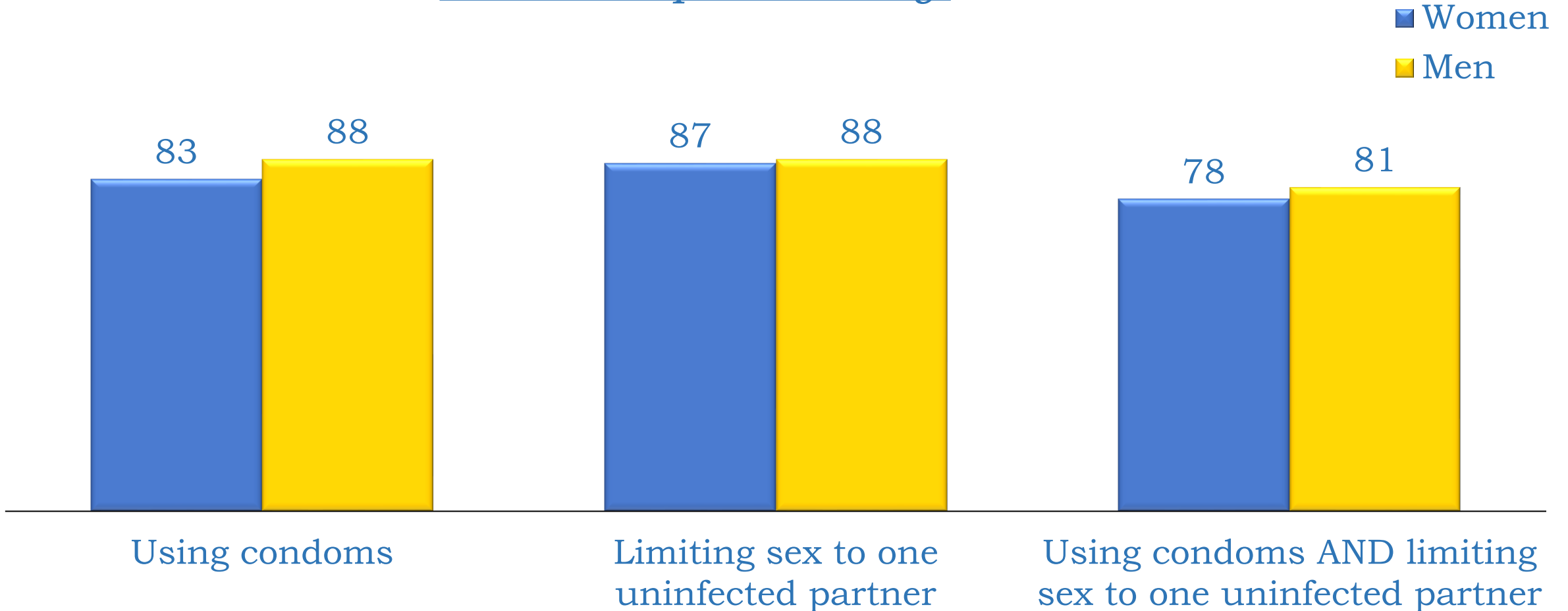
HIV



Knowledge of HIV Prevention Methods

2022 Uganda
Demographic
Health Survey

Percent of women and men aged 15-49 who know that
HIV can be prevented by:

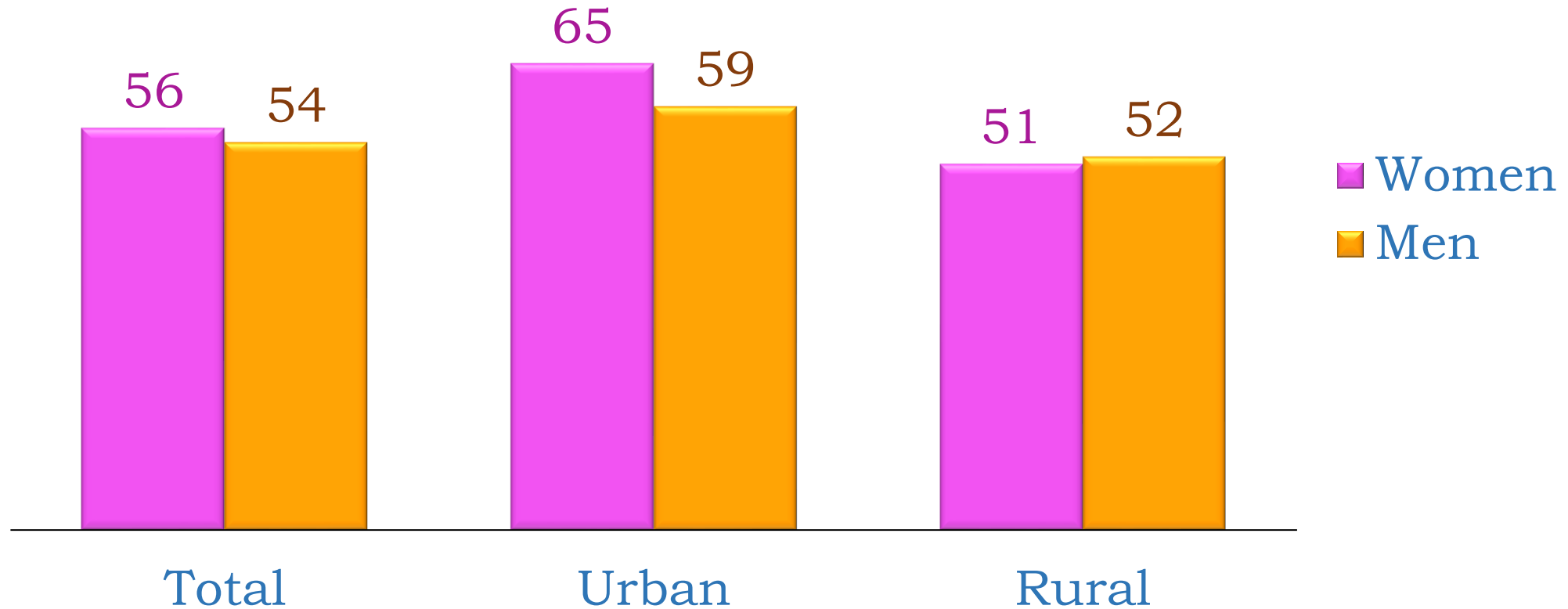




Comprehensive Knowledge of HIV among Youth, Trend

2022 Uganda
Demographic
Health Survey

Percent of women and men age 15-24 with comprehensive knowledge of HIV*

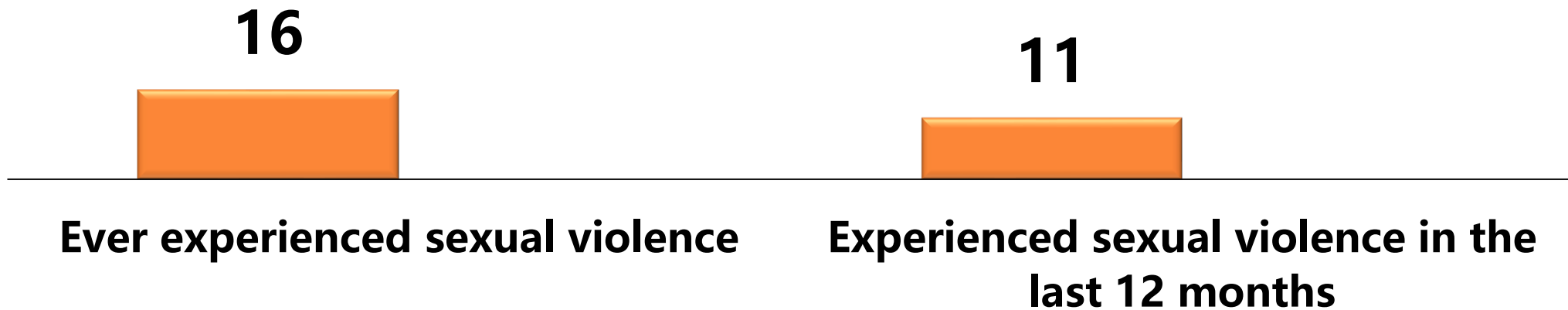




SEXUAL VIOLENCE

2022 Uganda
Demographic
Health Survey

Percent of women age 15-49





Maternal Mortality Ratio

The 2022 UDHS asked women about the deaths of their siblings that occurred during pregnancy, delivery, or 42 days after delivery.

The maternal mortality ratio excludes deaths that were due to accident or violence.

The maternal mortality ratio for the seven-year period before the survey is **189 deaths per 100,000 live births**



Pregnancy-Related Mortality Ratio

The pregnancy-related mortality ratio includes all deaths in this period irrespective of the cause of death.

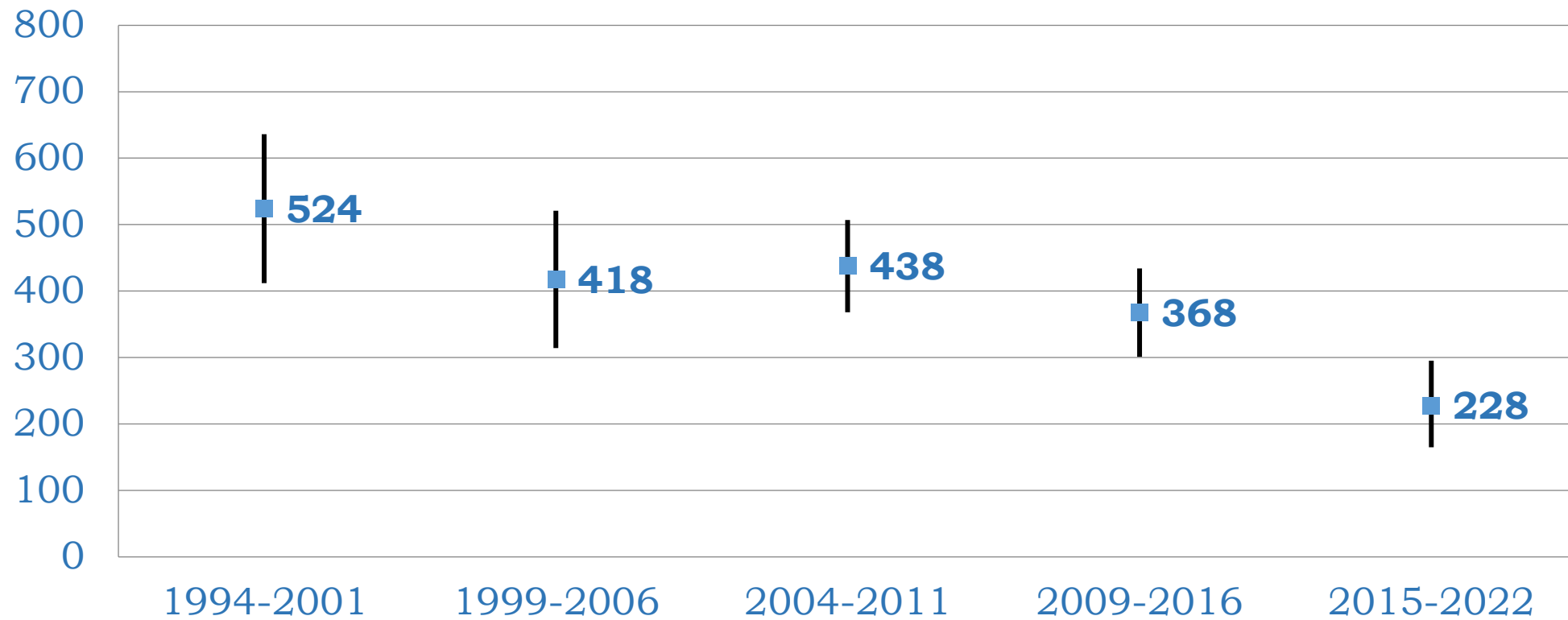
The pregnancy-related mortality ratio for the 7-year period before the survey is **185 deaths per 100,000 live births**



Trends in Pregnancy-Related Mortality Ratio

2022 Uganda
Demographic
Health Survey

Pregnancy-related deaths per 100,000 live births

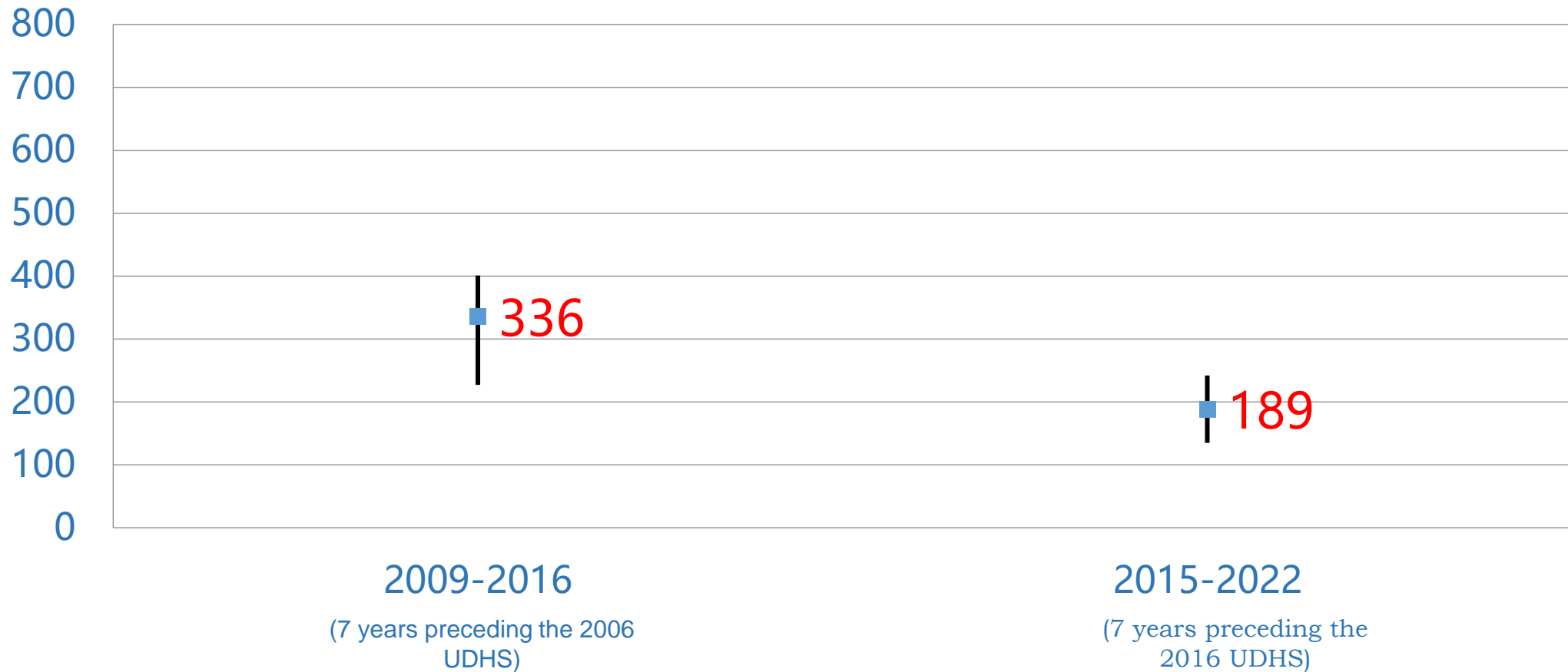




Trends in Maternal Mortality Ratio

2022 Uganda
Demographic
Health Survey

Maternal Mortality Ratio per 100,000 live births





Key Findings

- Women have an average of **5.2** children.
- **Infant mortality rate** is **36** deaths per 1,000 live births and **under-5 mortality rate** is **52** deaths per 1,000 live births.
- **91%** of births were **delivered** in a health facility.
- **54%** of children received **all basic vaccinations**.
- **26%** of children under 5 are **stunted**.



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