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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MAIN OBJECTIVE

To provide current estimates on

MARRIAGE

FAMILY PLANNING

SEXUAL ACTIVITY

MATERNAL AND CHILD HEALTH

DOMESTIC VIOLENCE

CHILDHOOD & MATERNAL MORTALITY

NUTRITION

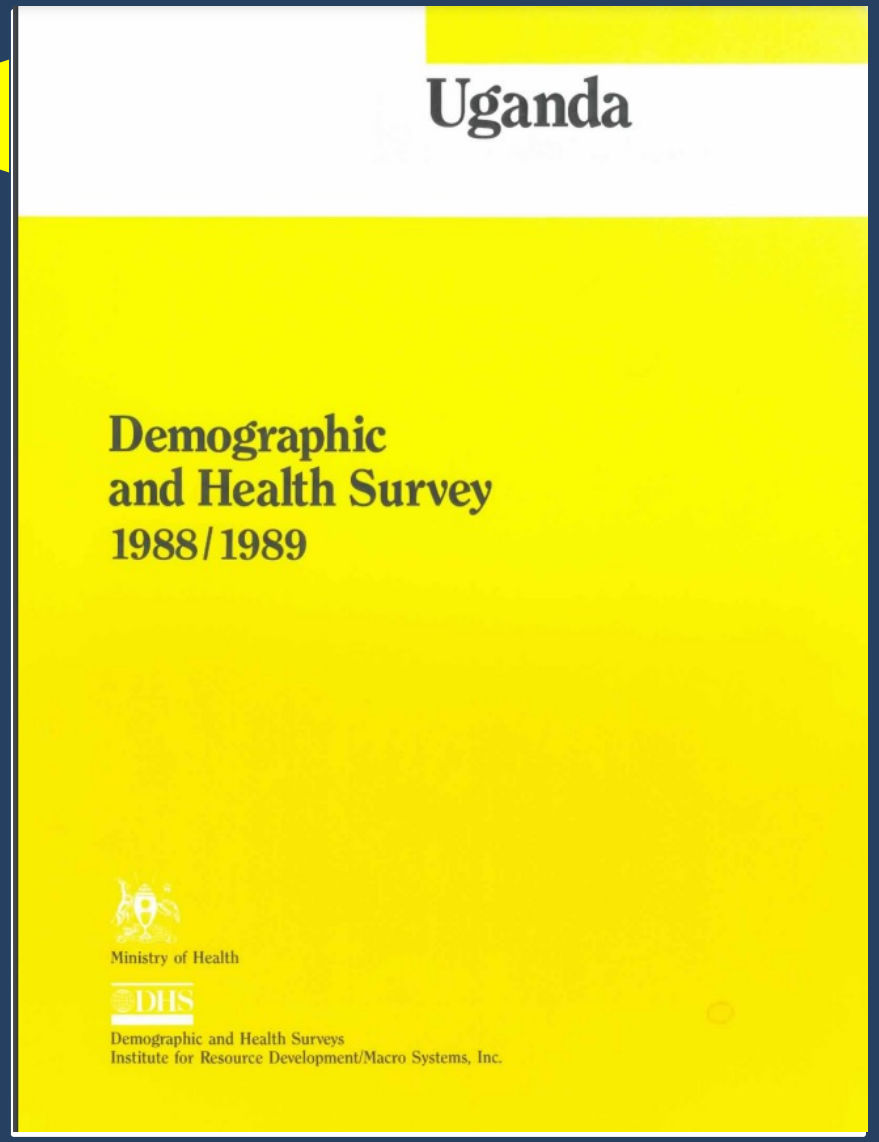
MALARIA

CHILD LABOR/DISCIPLINE

HIV/AIDS

UGANDA DHS SERIES

1. **1988/89**
2. 1995
3. 2000/01
4. 2006
5. 2011
6. 2016
7. 2022



UGANDA DHS SERIES

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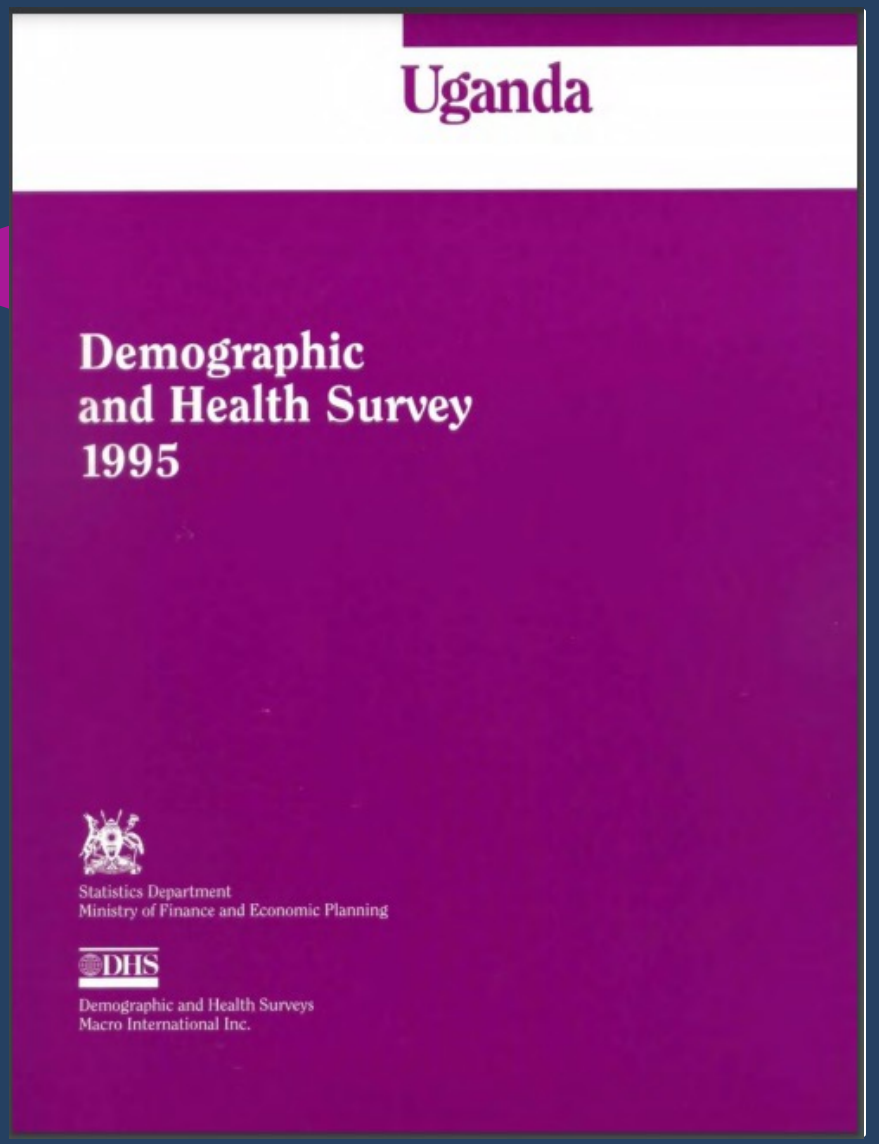

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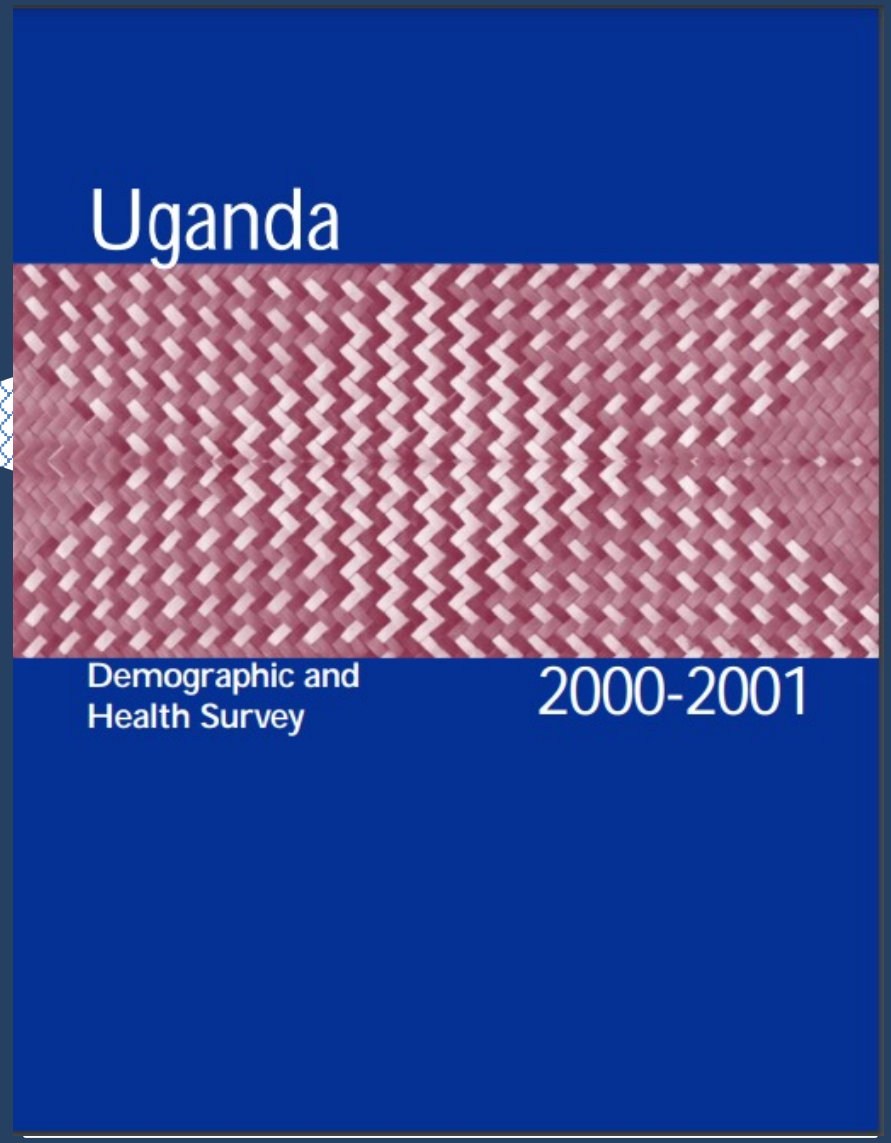

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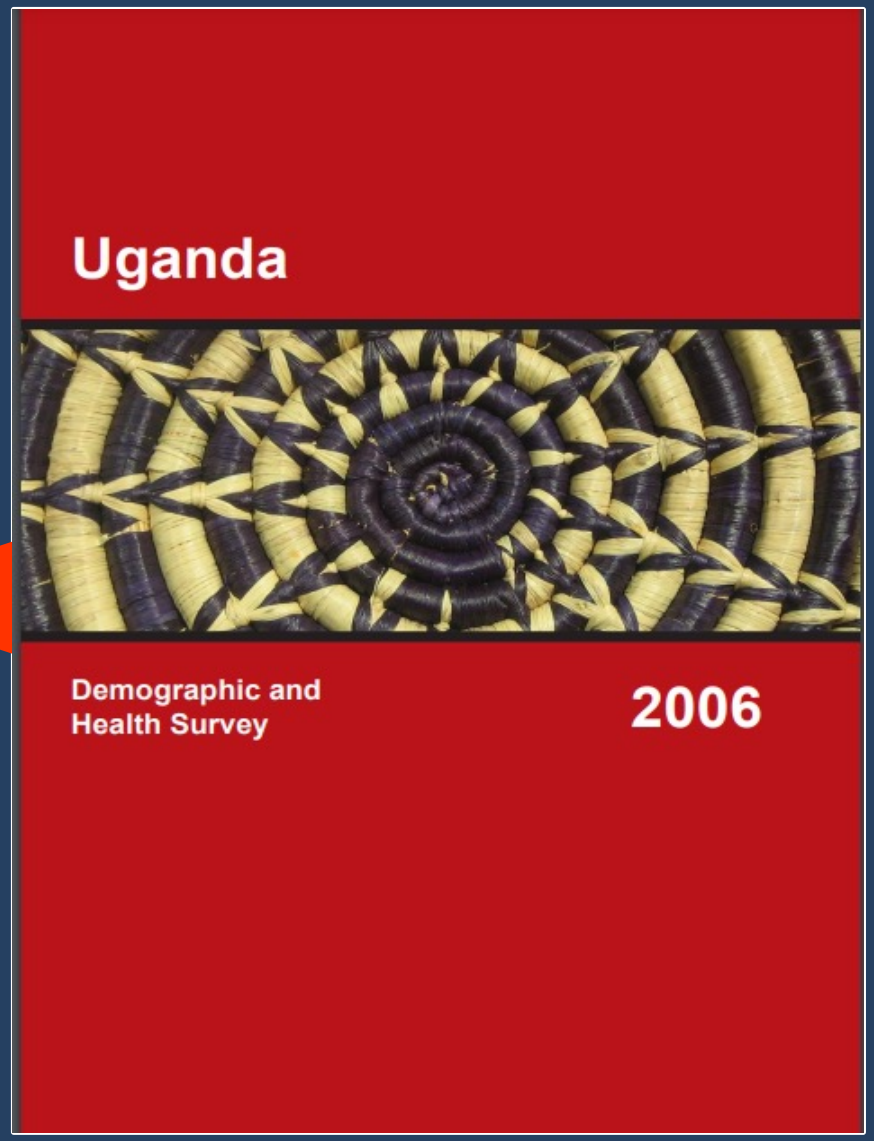

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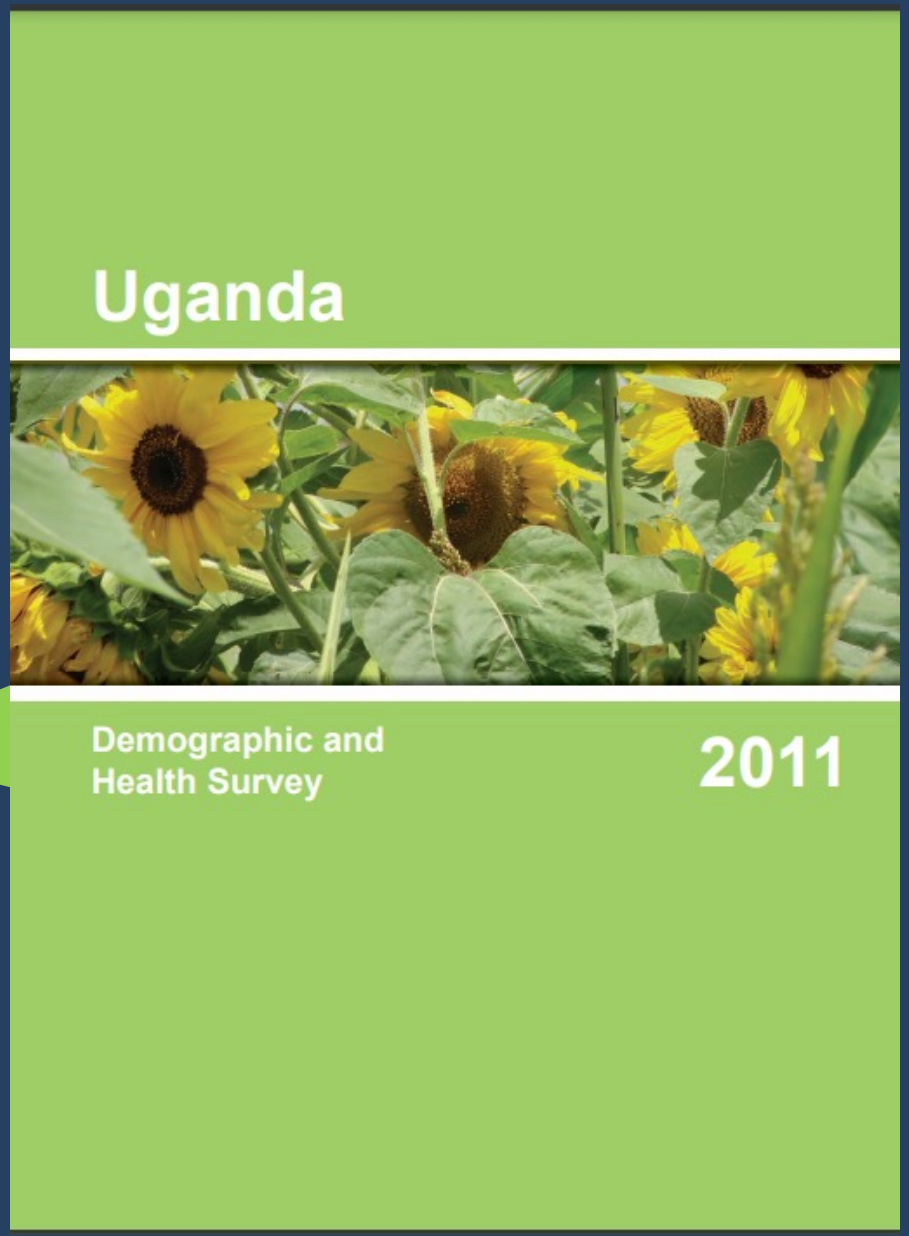

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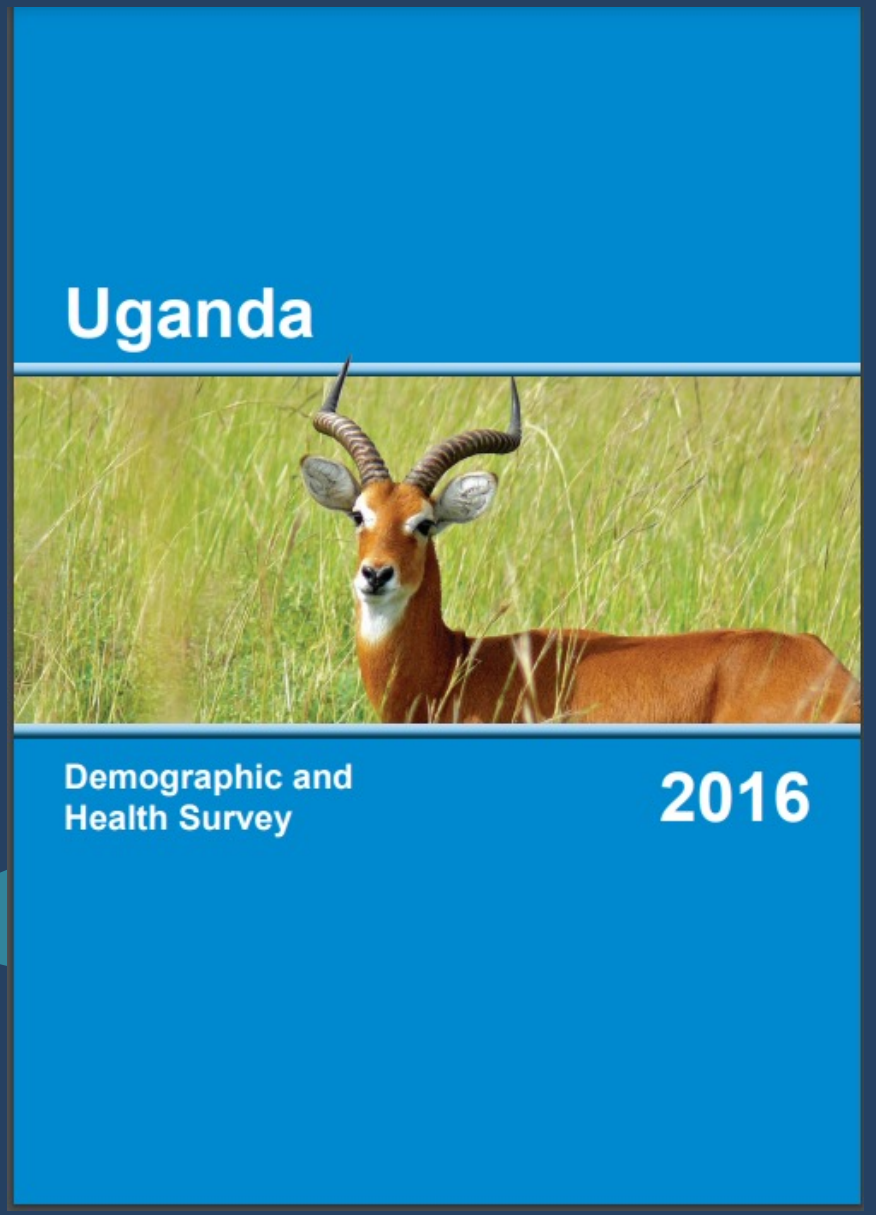
- 2022



UGANDA DHS SERIES

- 1988/89
- 1995
- 2000/01
- 2006
- 2011
- 2016
- 7 **2022**

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

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

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
- Kaberamaido Serere

The 2022 UDHS Sub regions

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

Bunyoro

Buliisa,
Hoima,
Kibaale,
Kiryandongo,
Masindi

Tooro:

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

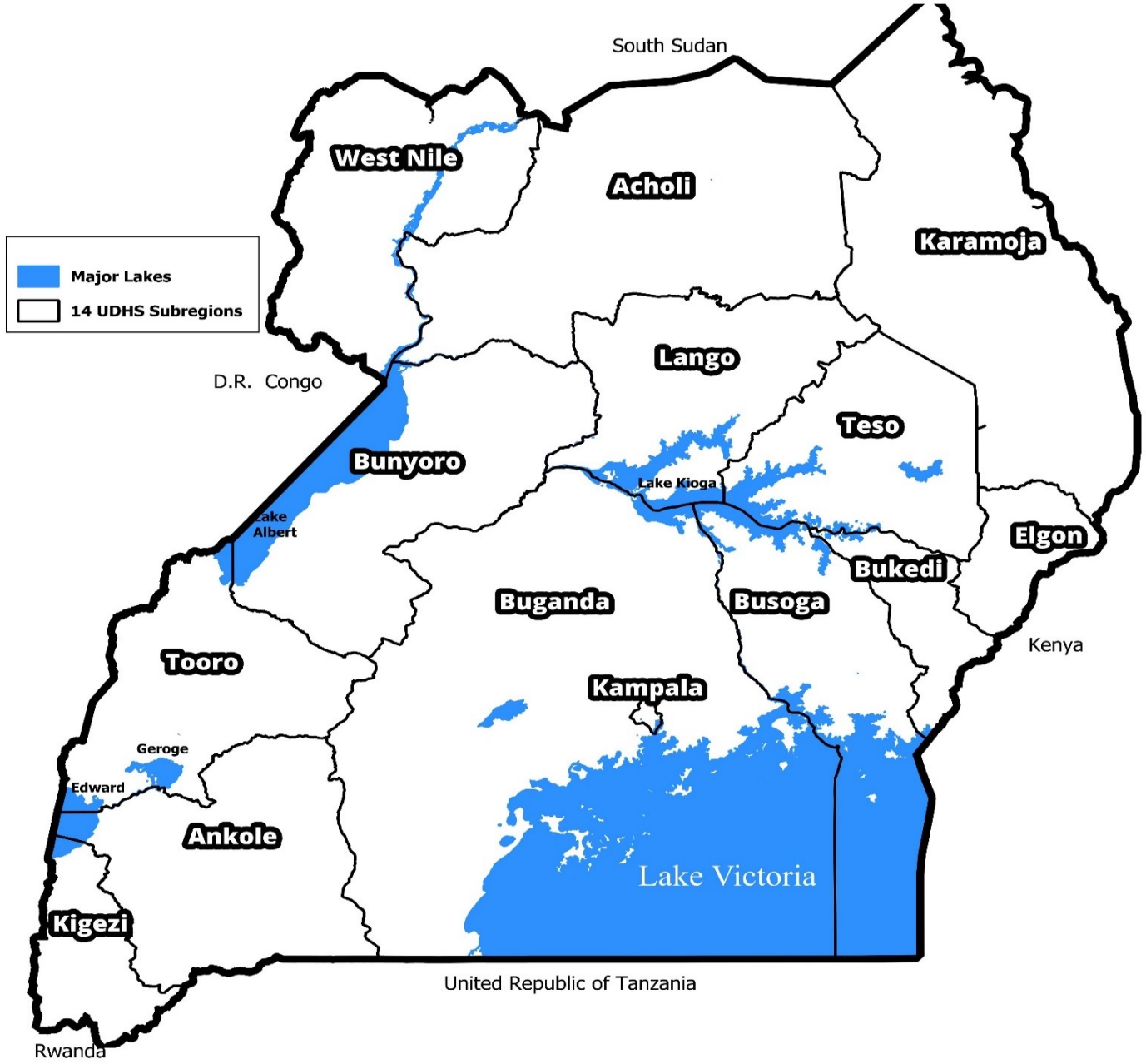
Kigezi:

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

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 y

Household Questionnaire

Woman's Questionnaire

Man's Questionnaire

Biomarker Questionnaire

- 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

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

- 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

- 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

Organization	Peer Reviewer
UNFPA	Dr. Fredrick Okwayo
	Daniel Alemu
	Florence Tagoola Mpabulungi
	Dr. Hassan Eini-Zinab
	Muhammad Ali Raza
	Johnson Lubega Kagugube
UNICEF	Dr. Moses Sichei
	Martin Njoroge
	Arthur Mutesaasira

Organization	Peer Reviewer
WHO	Dr. Sentumbwe Olive
	Dr. Natseri Nasan
	Dr. Hillary Kipruto
	Dr. Benson Droti
UBOS	Helen Nviiri Namirembe
	Dr. Vincent Ssenono
	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

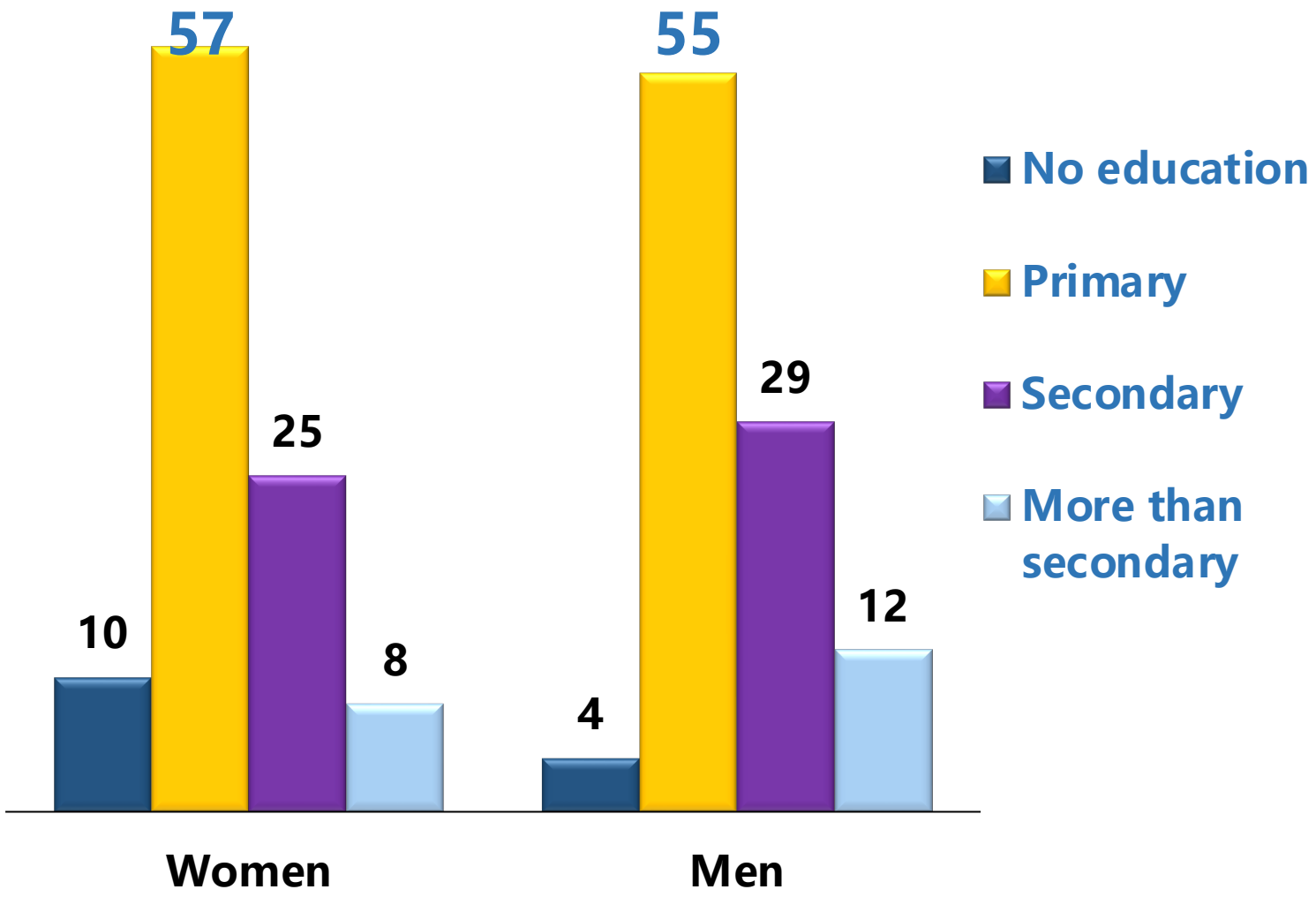
Results of Household and Individual Interviews

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 rate1	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 rate2	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 rate2	87	93	91

Background:

Households and Respondents

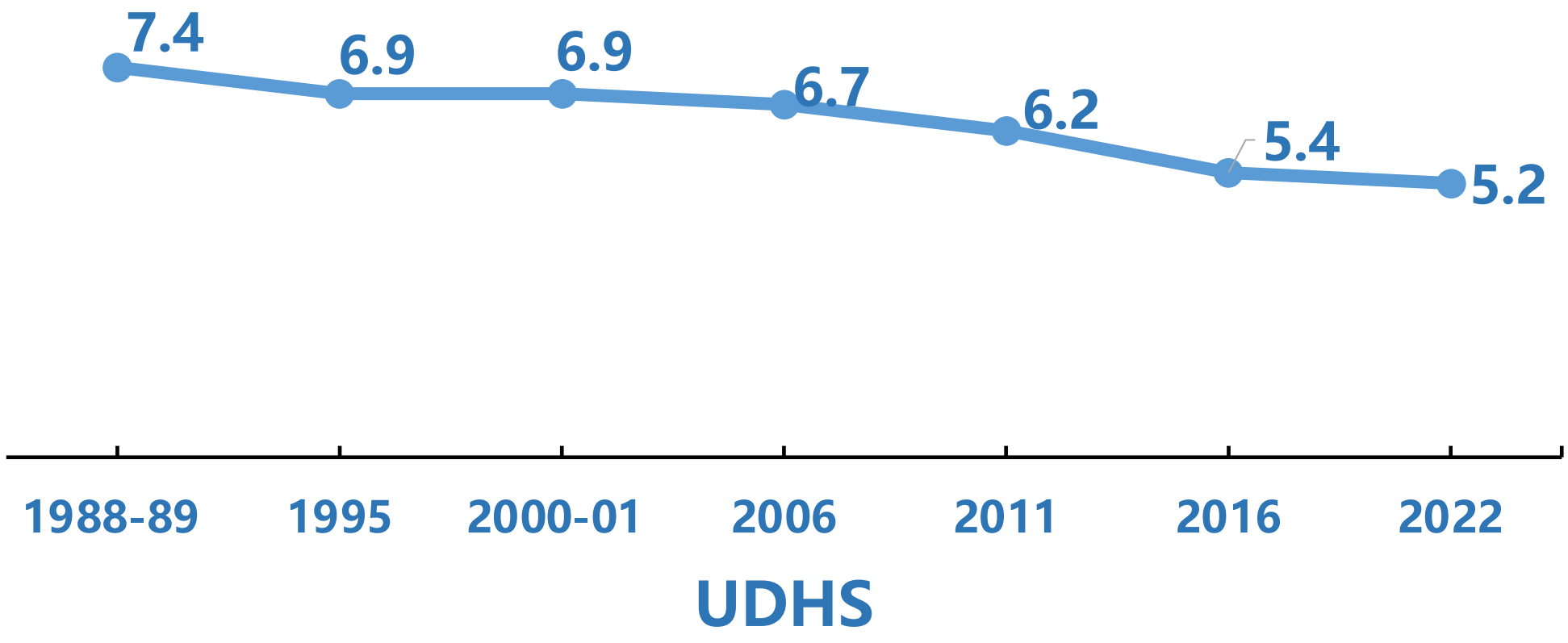
Percent distribution of women and men aged 15-49



FERTILITY AND FAMILY PLANNING

Fertility trends

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



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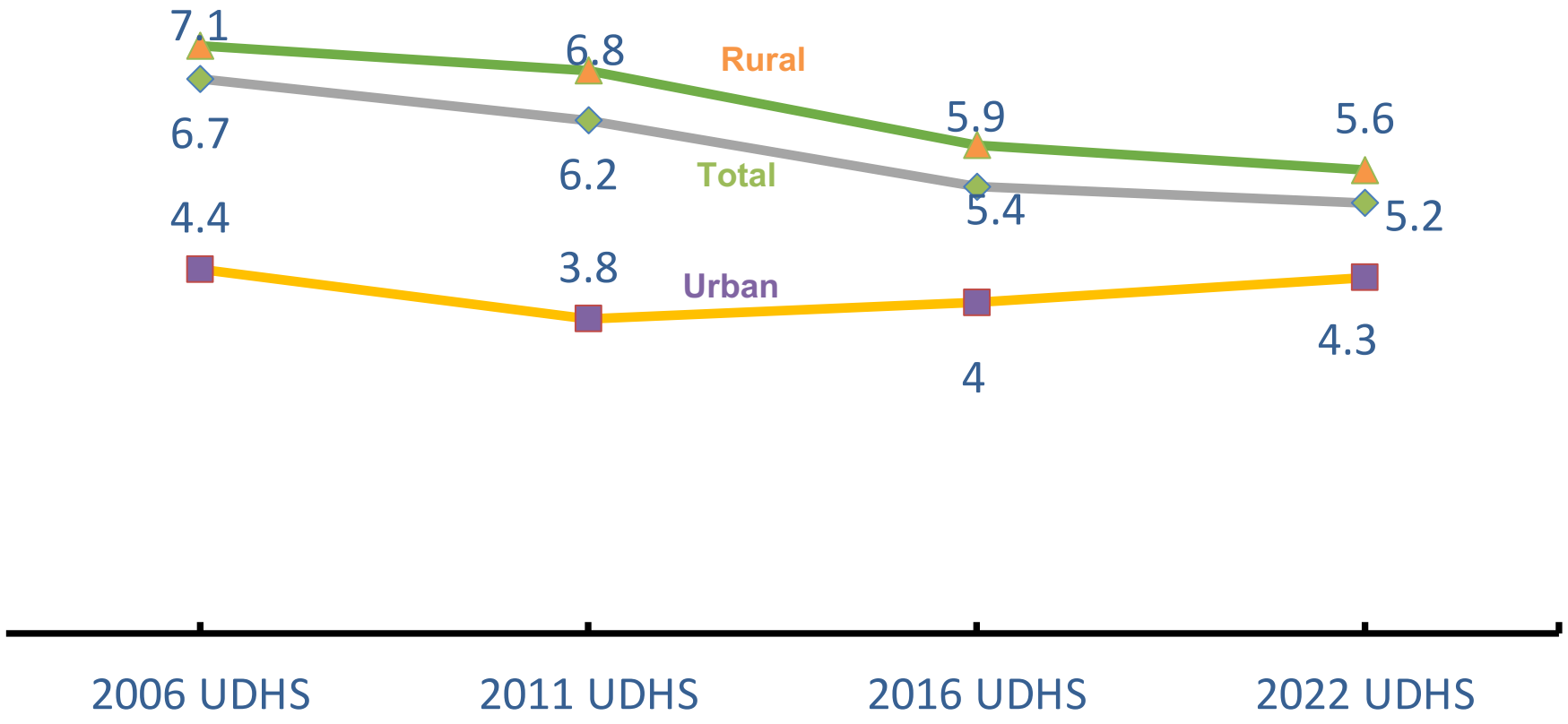
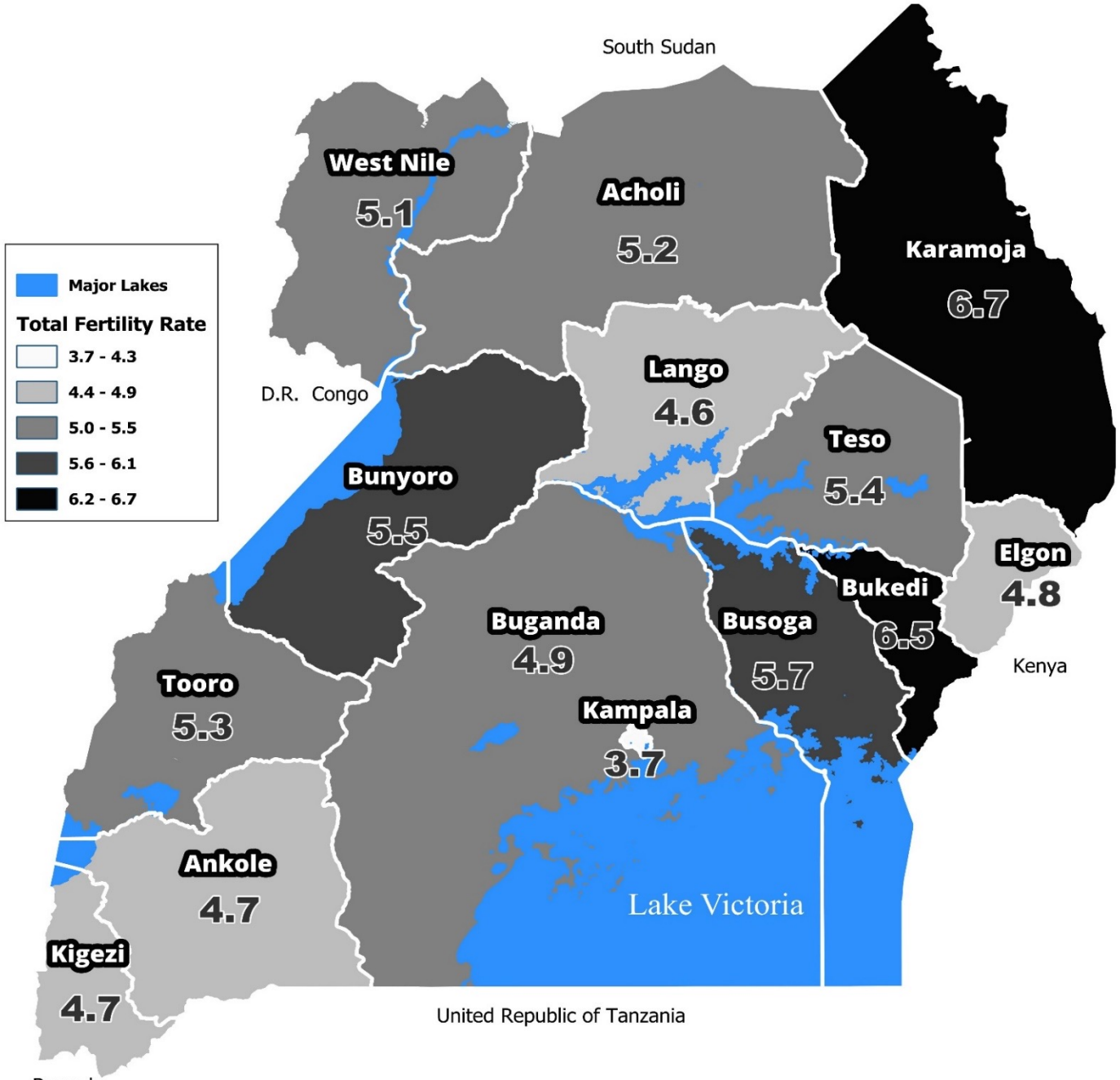


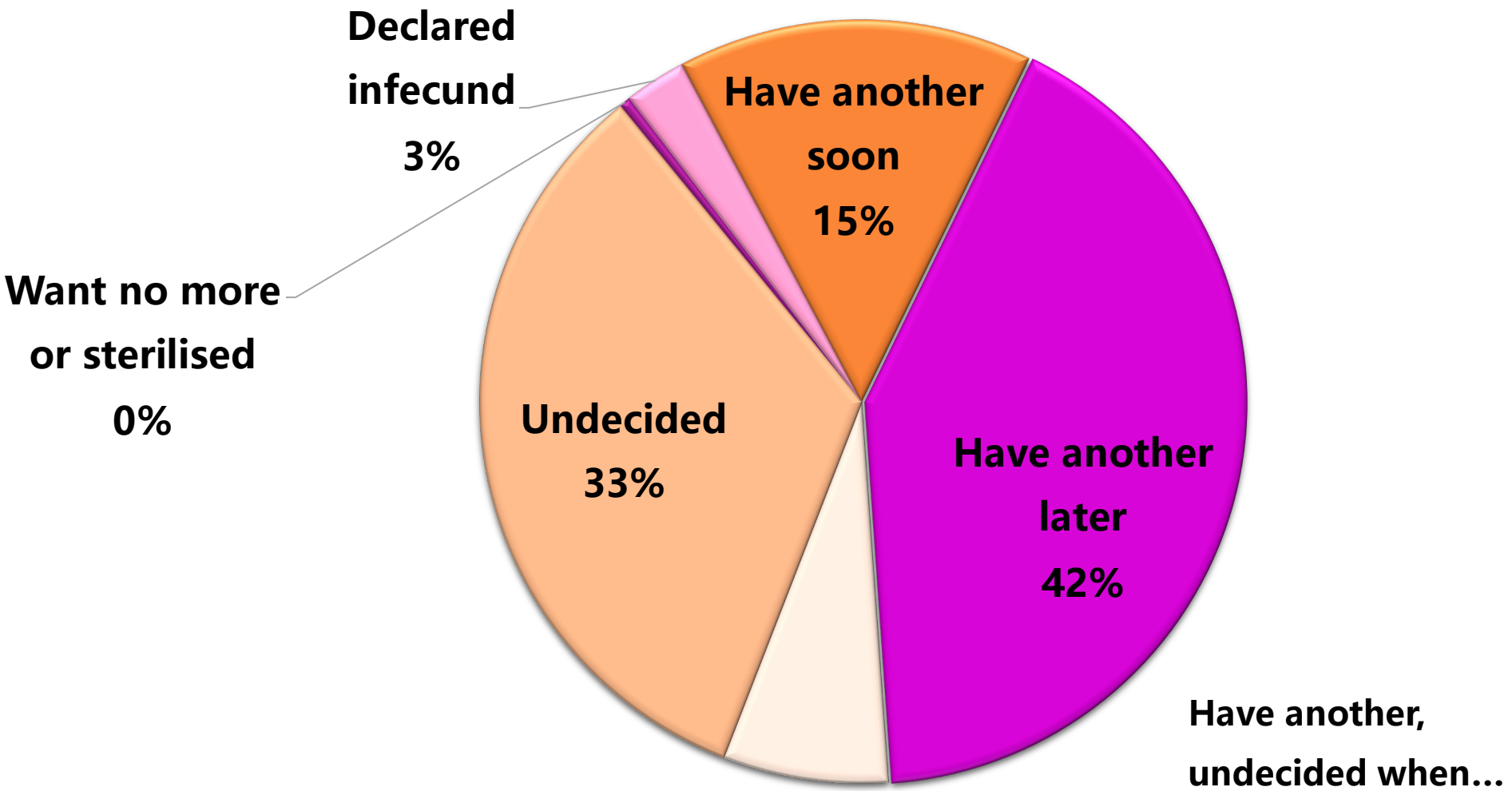
Fertility by region



Fertility preferences of married women

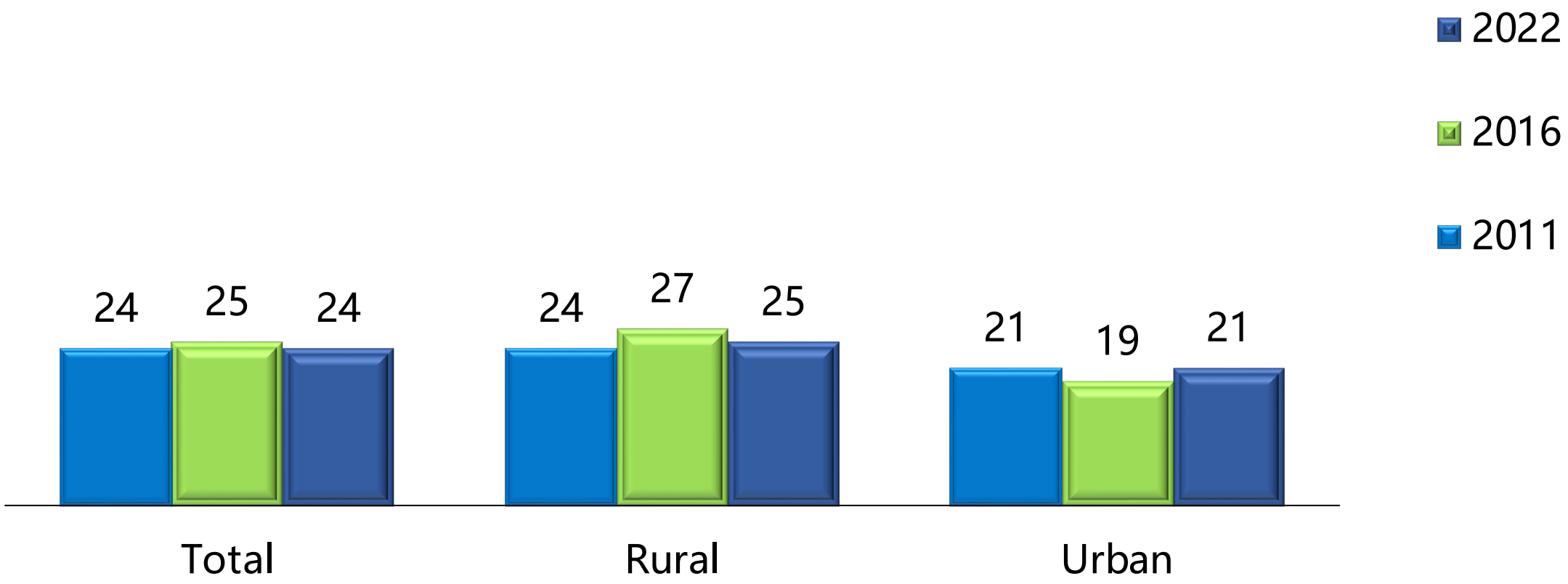
2022 Uganda Demographic Health Survey

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



Teenage childbearing by residence

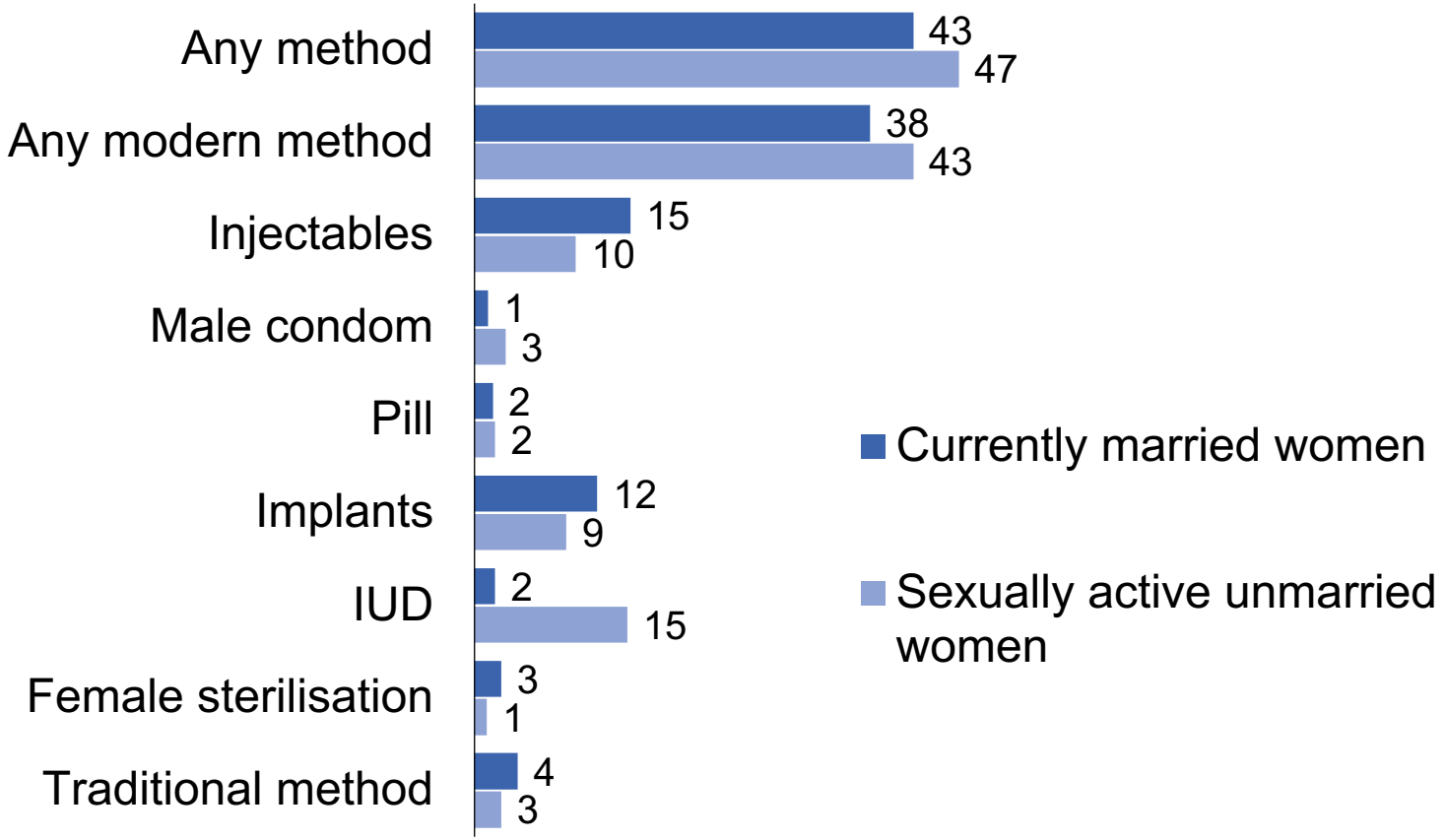
Percent of women age 15-19 who are mothers or pregnant with their first child



Current use of contraception

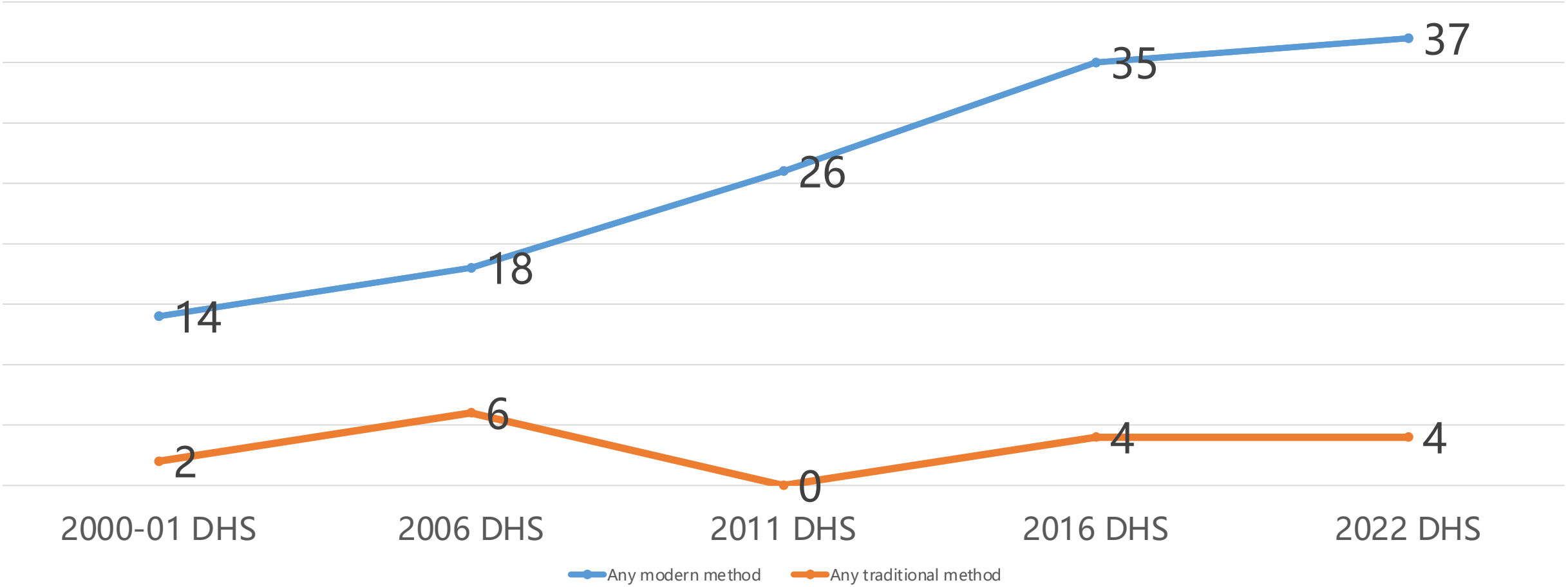
Percent of women aged 15-49

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



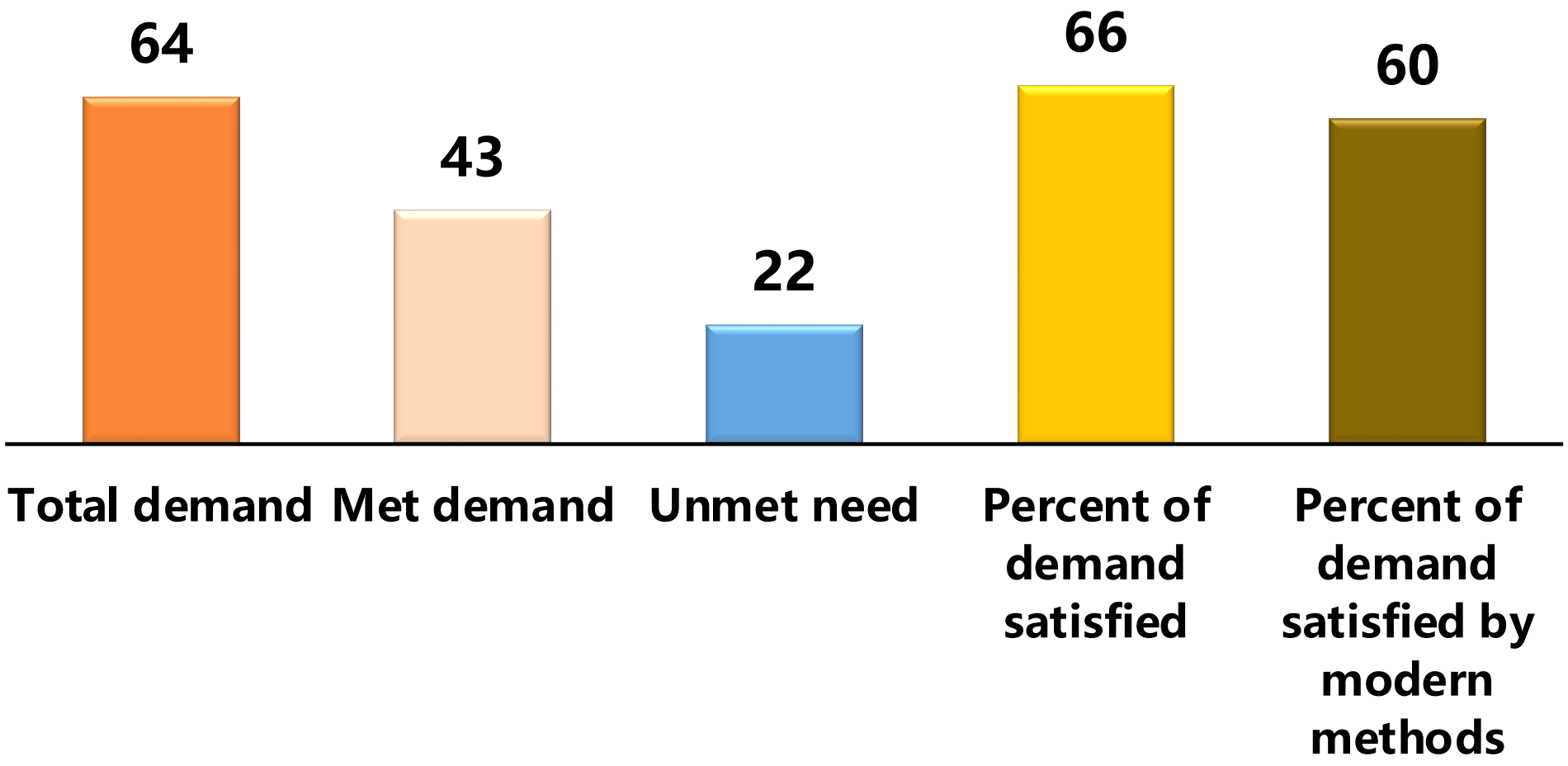
Trends in contraceptive use

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



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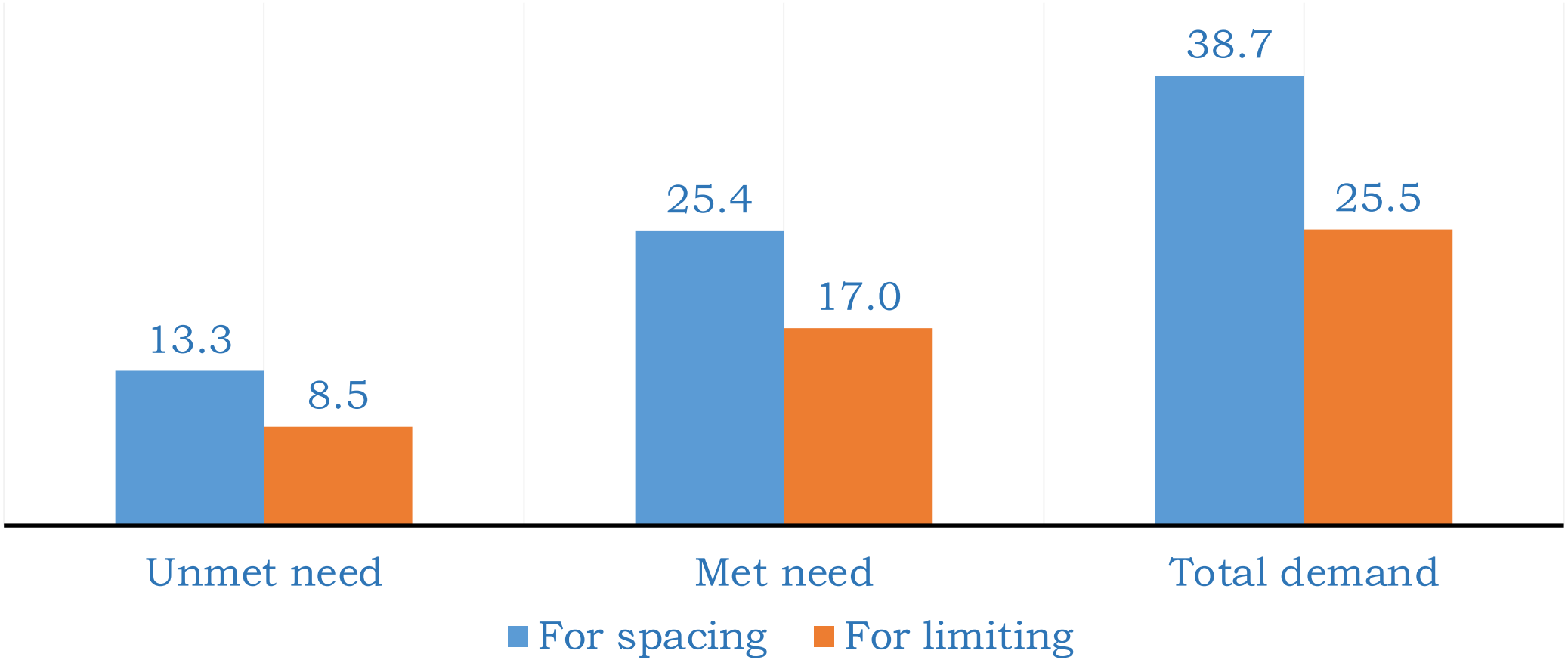
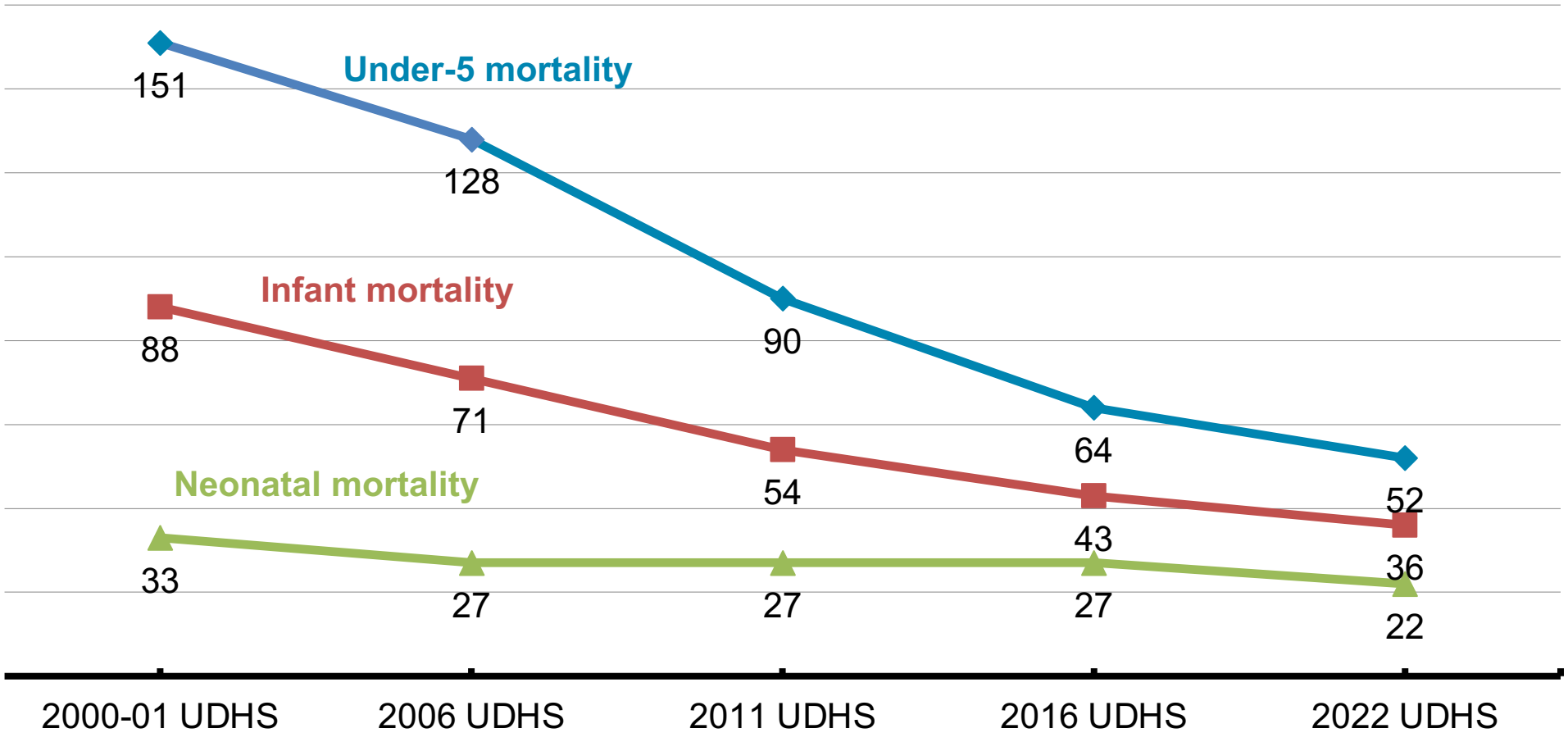


Trends in childhood mortality

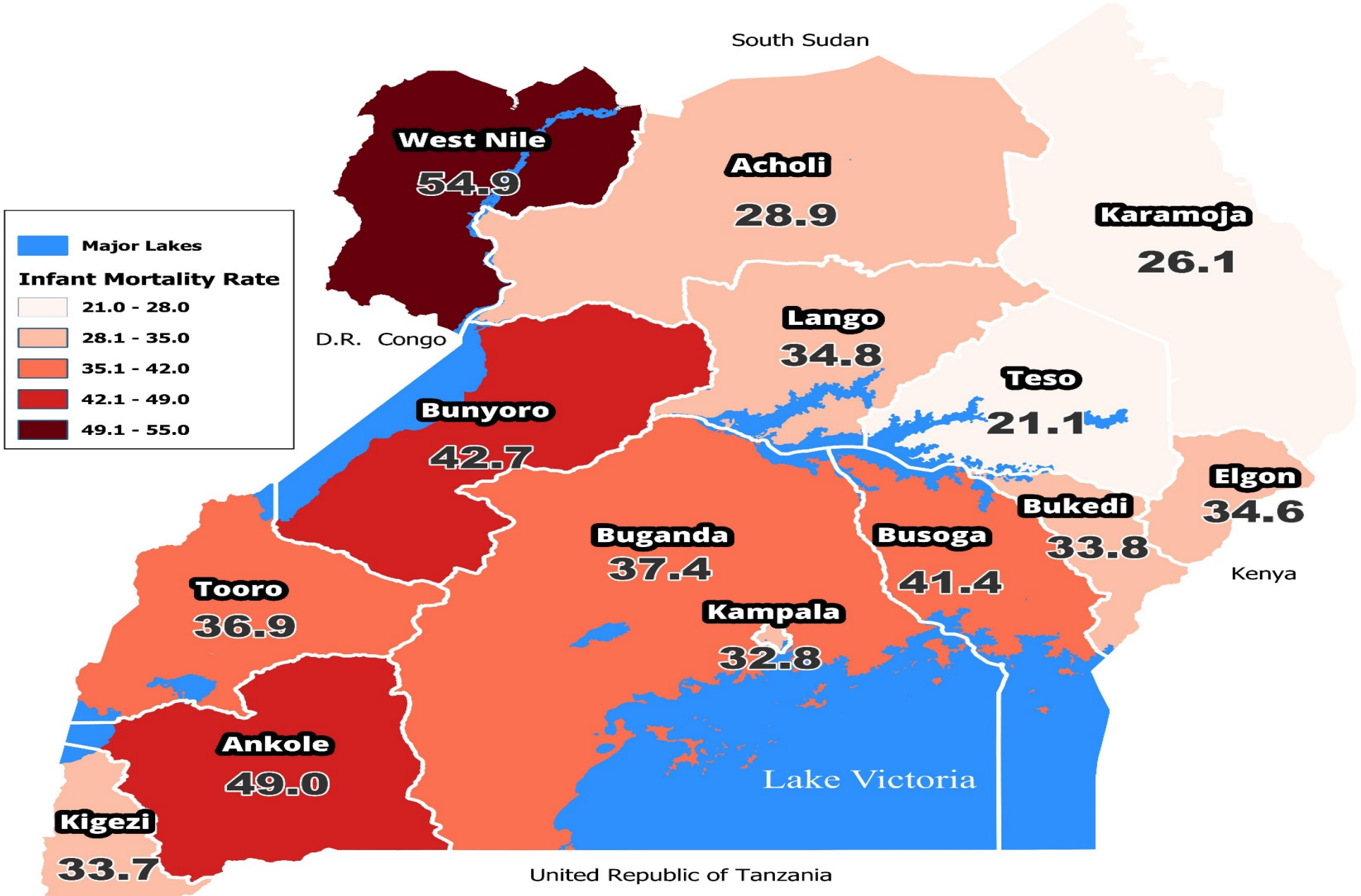
2022 Uganda Demographic Health Survey

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

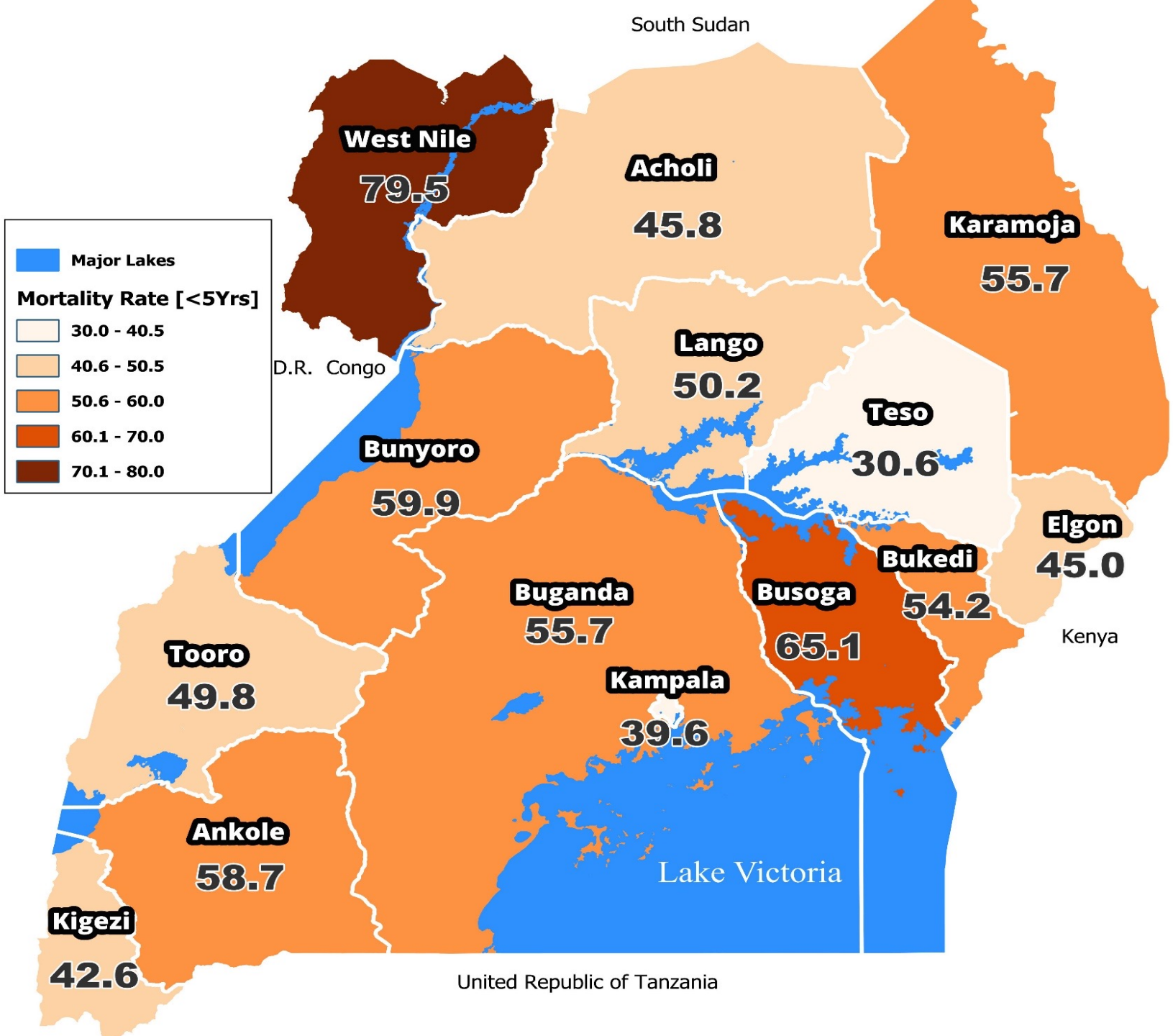


Infant Mortality by region

2022 Uganda Demographic Health Survey

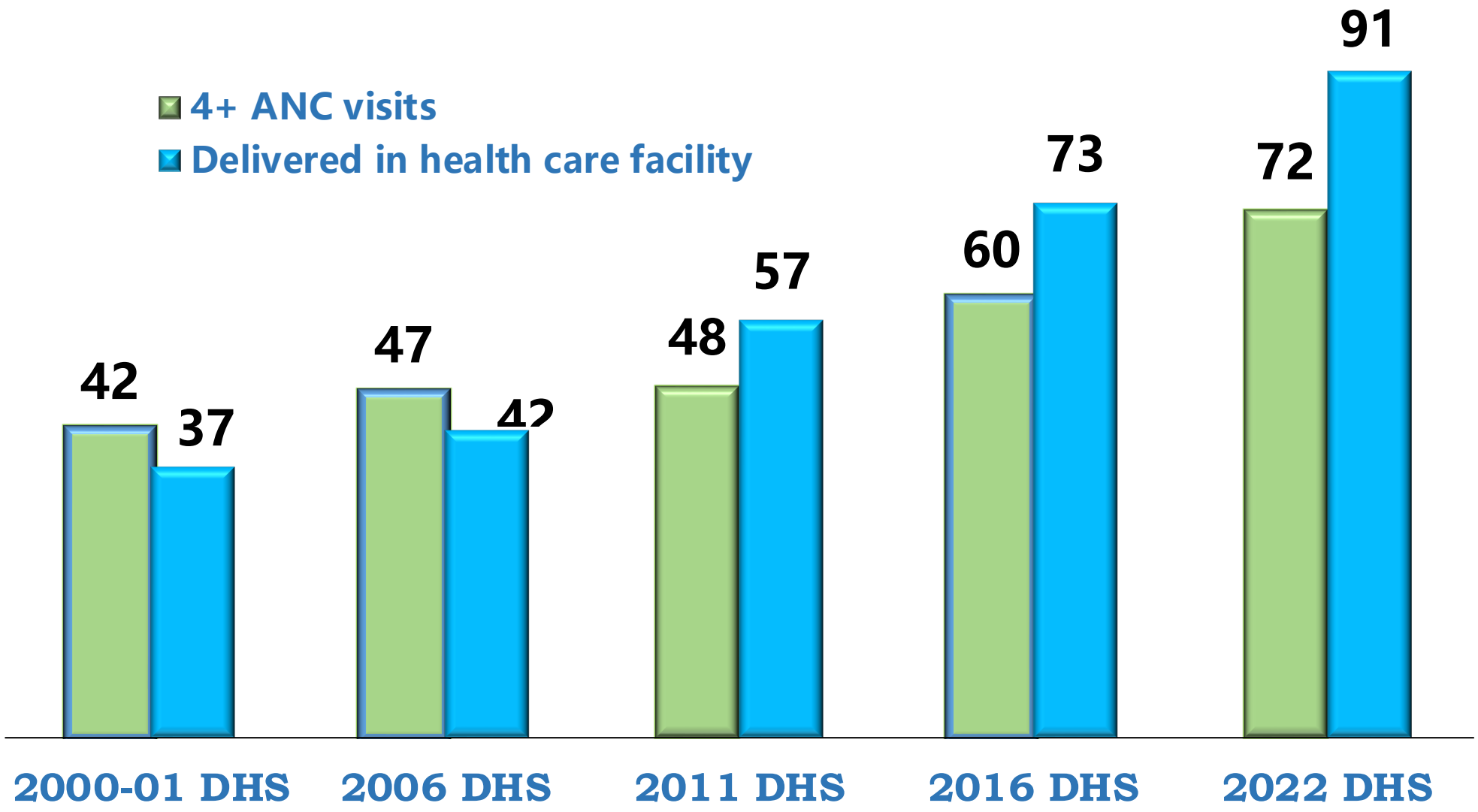


Under 5 Mortality by region



Trends in maternal health

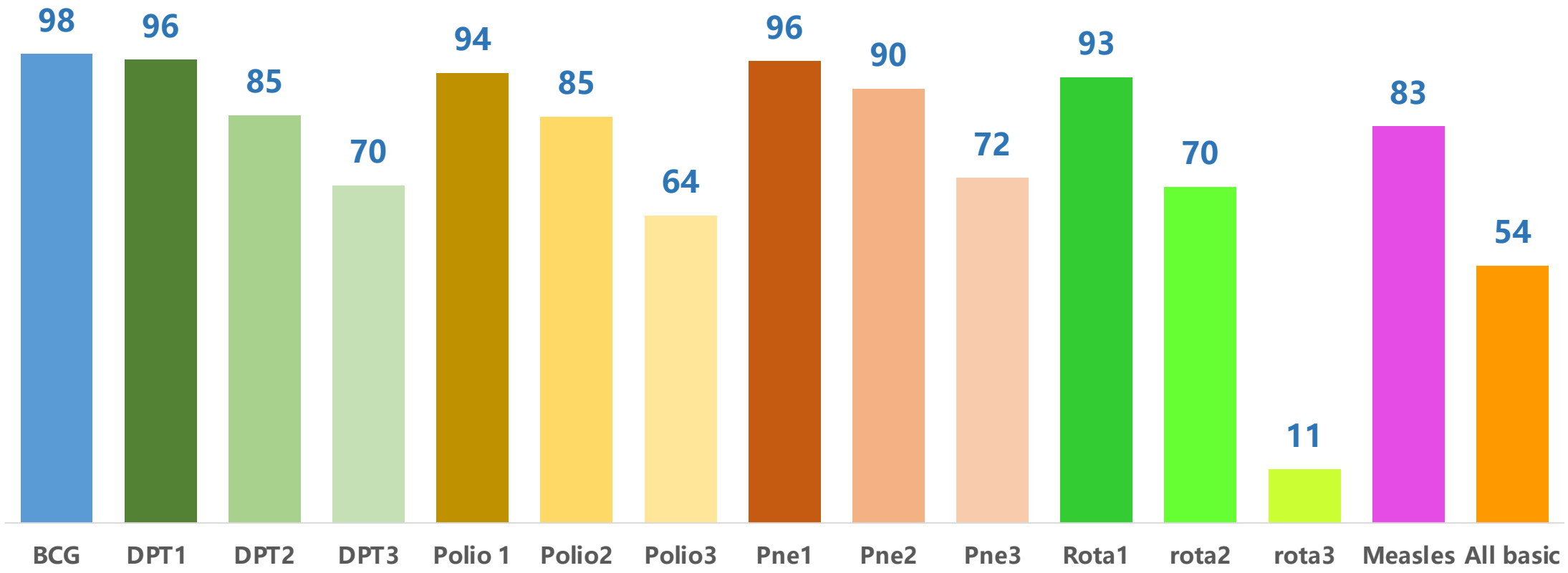
Percent of live births for the 5-year period before the survey



Childhood Vaccinations

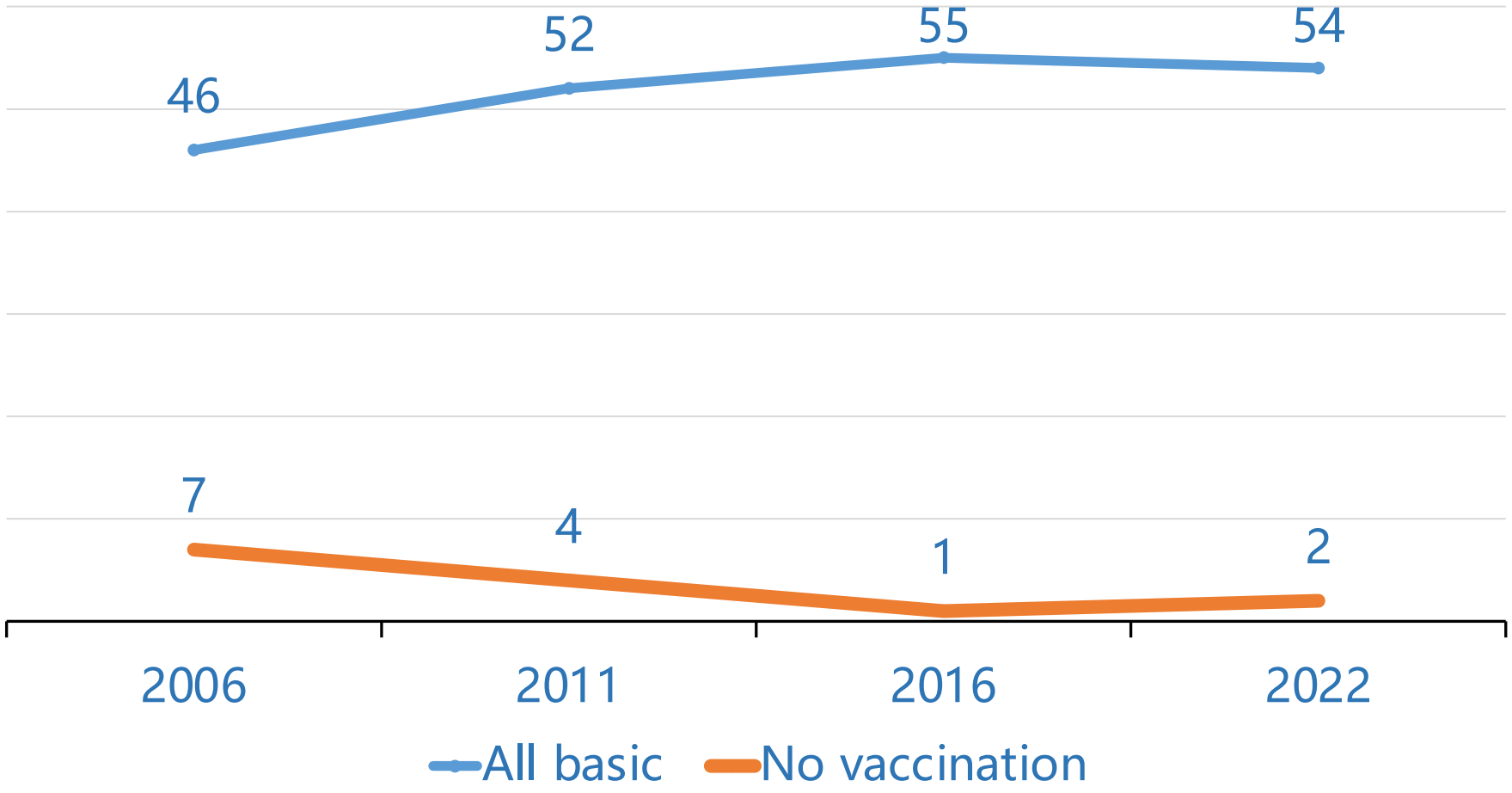
2022 Uganda Demographic Health Survey

Percent of children 12-23 months vaccinated



Trends in Basic Vaccination Coverage

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



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2022 Uganda Demographic Health Survey

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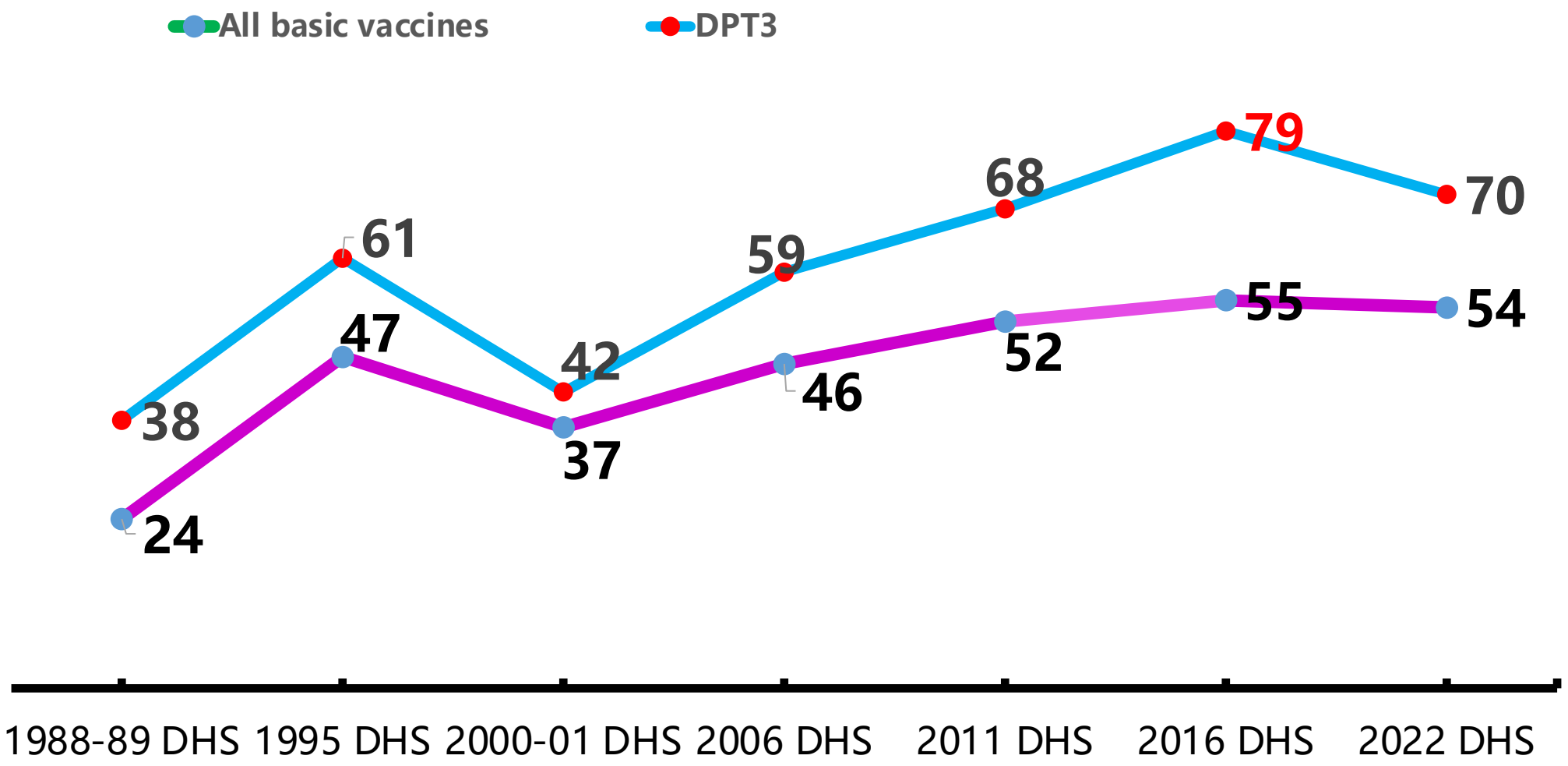
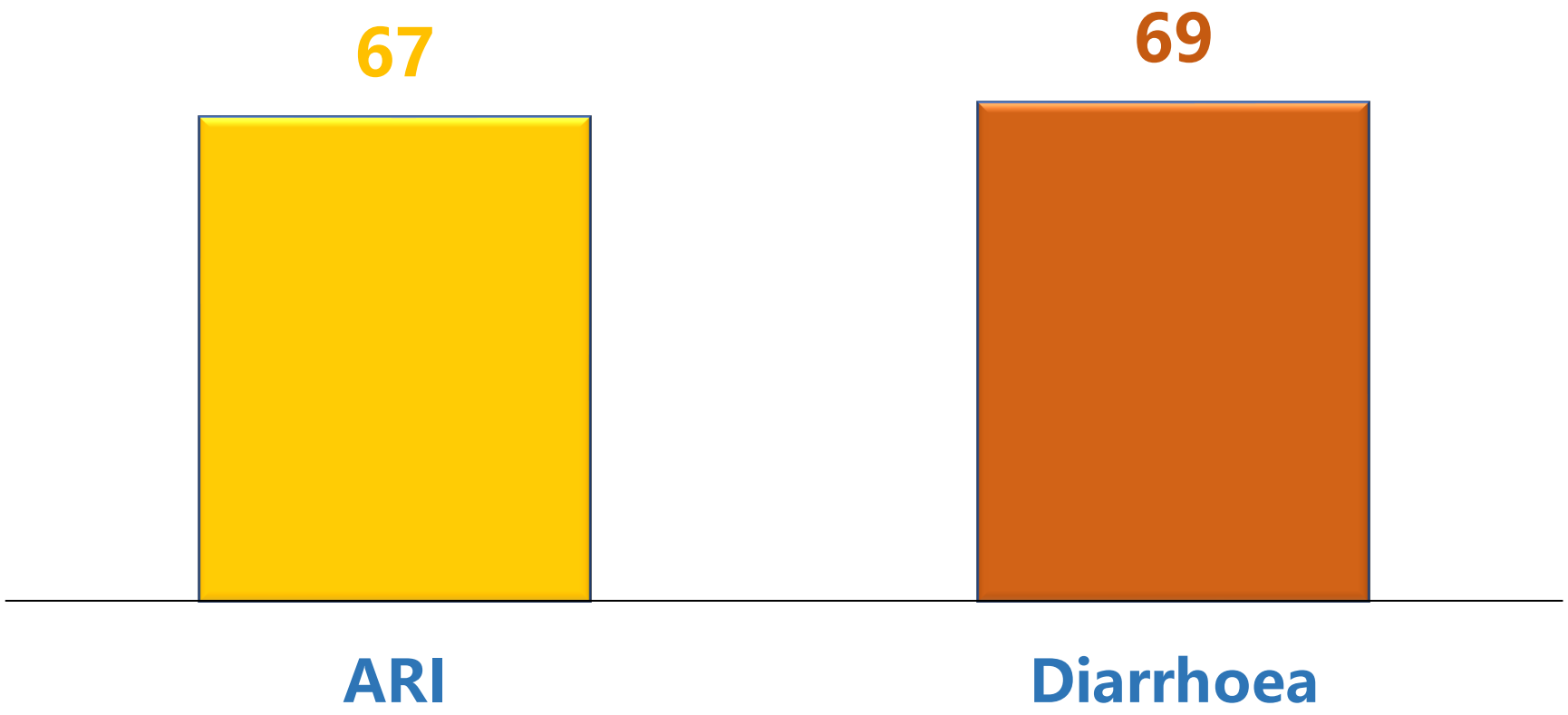


Childhood illness

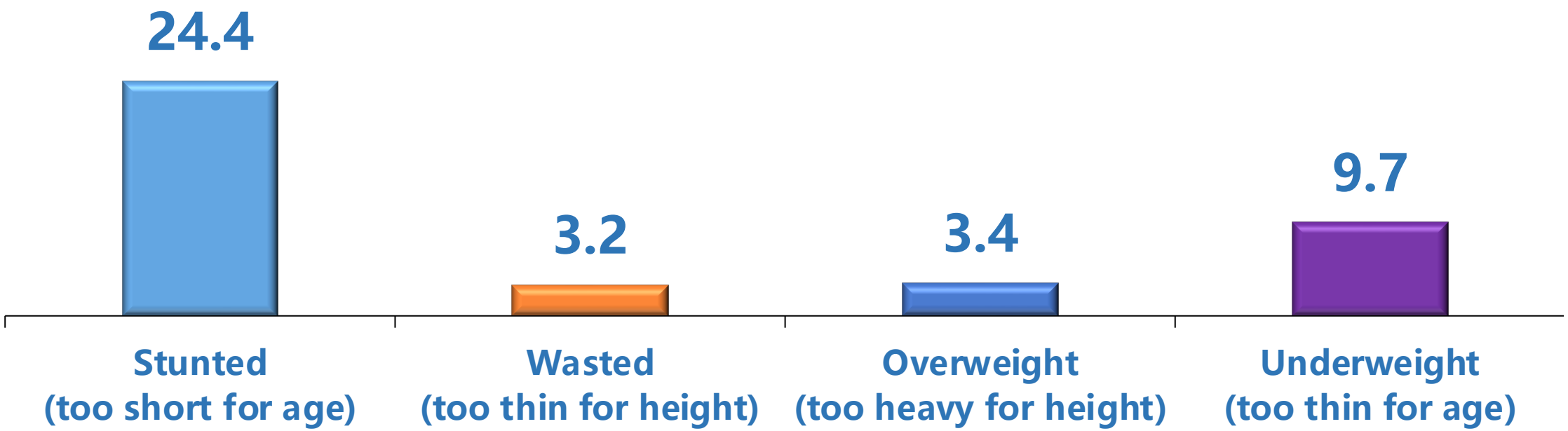
Among children under 5 with symptoms of acute respiratory infection (ARI), fever, or diarrhoea, percent for whom advice or treatment was sought from a health facility or provider



Nutritional Status of Children

2022 Uganda Demographic Health Survey

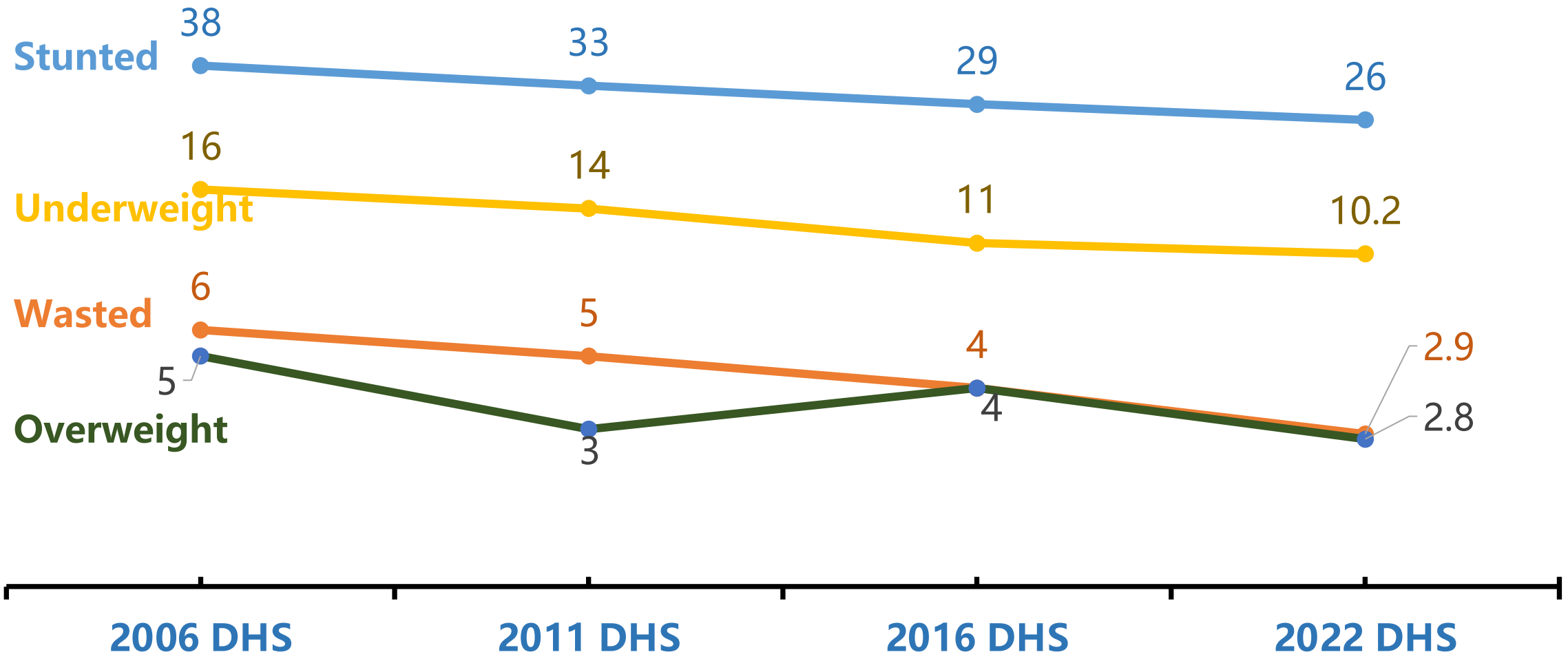
Percent of children under 5



Trends in Nutritional Status of Children

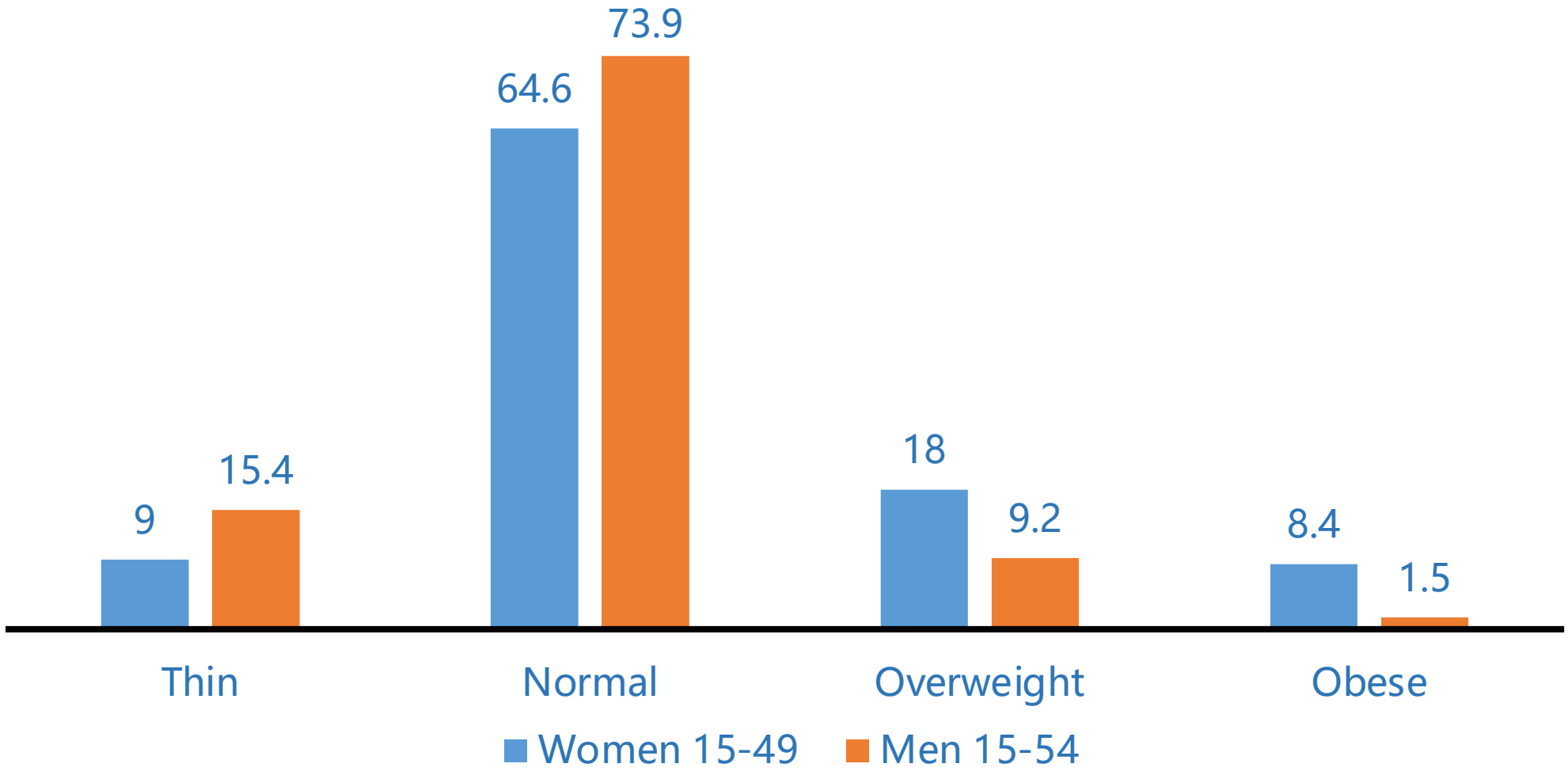
2022 Uganda Demographic Health Survey

Percent of children under 6 -59 months



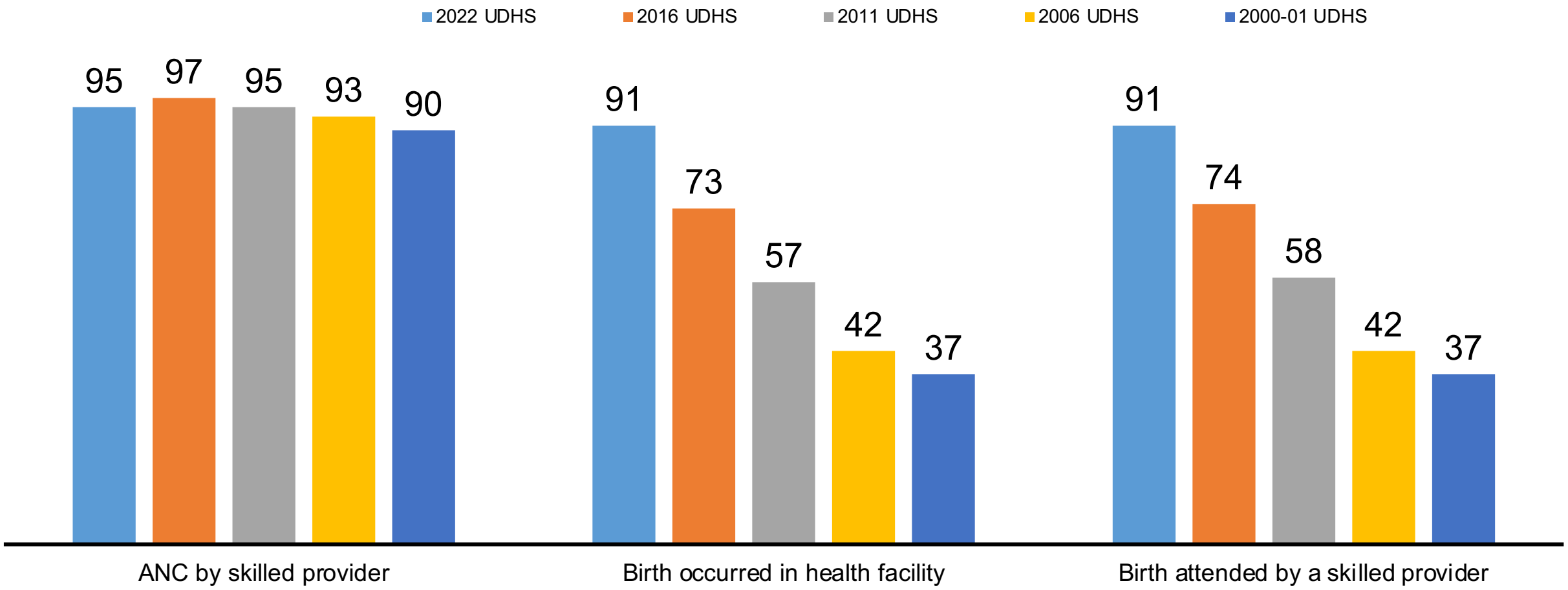
Trends in Nutritional Status of Women and men

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



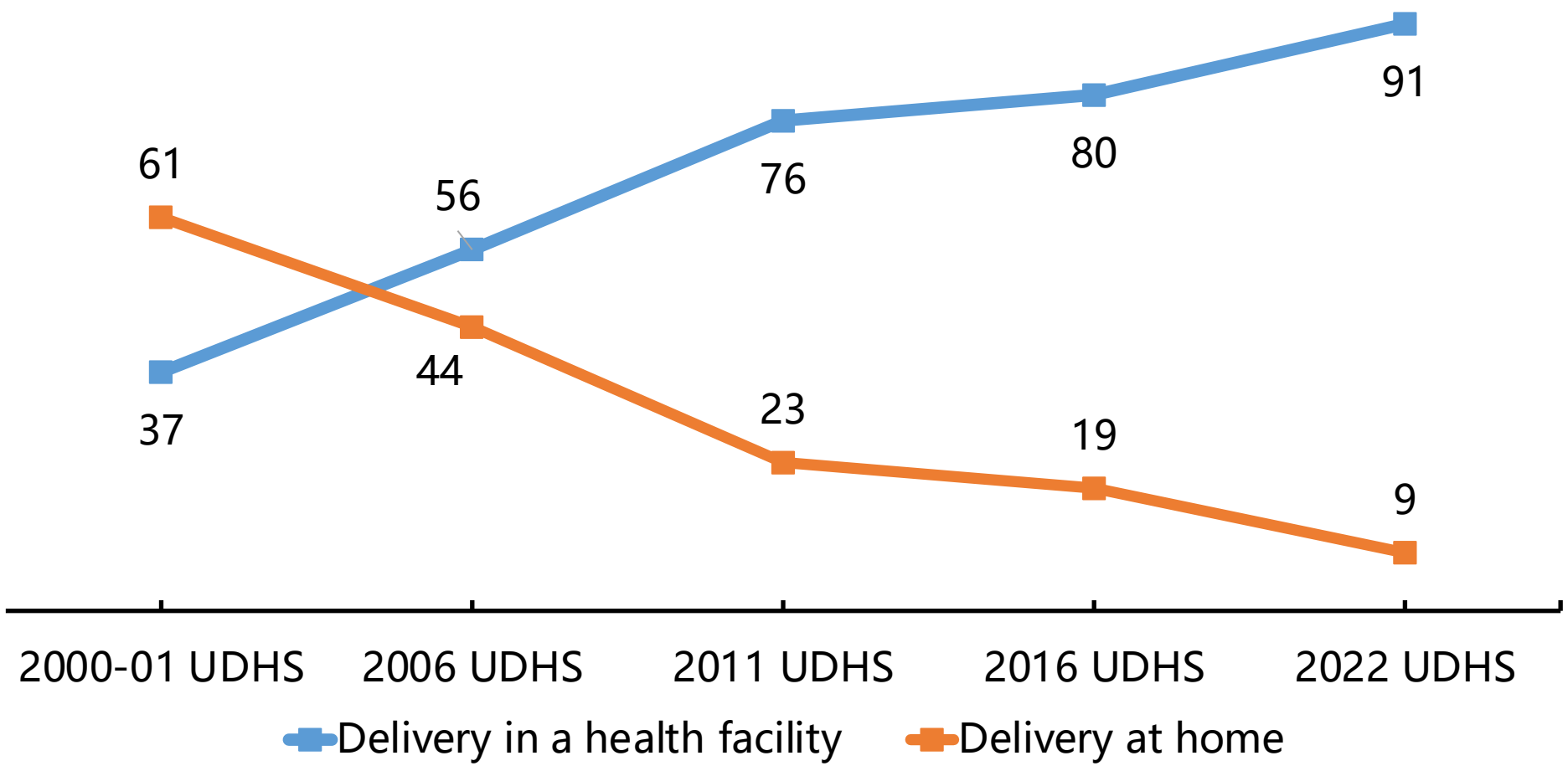
Trends in maternal health care coverage

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



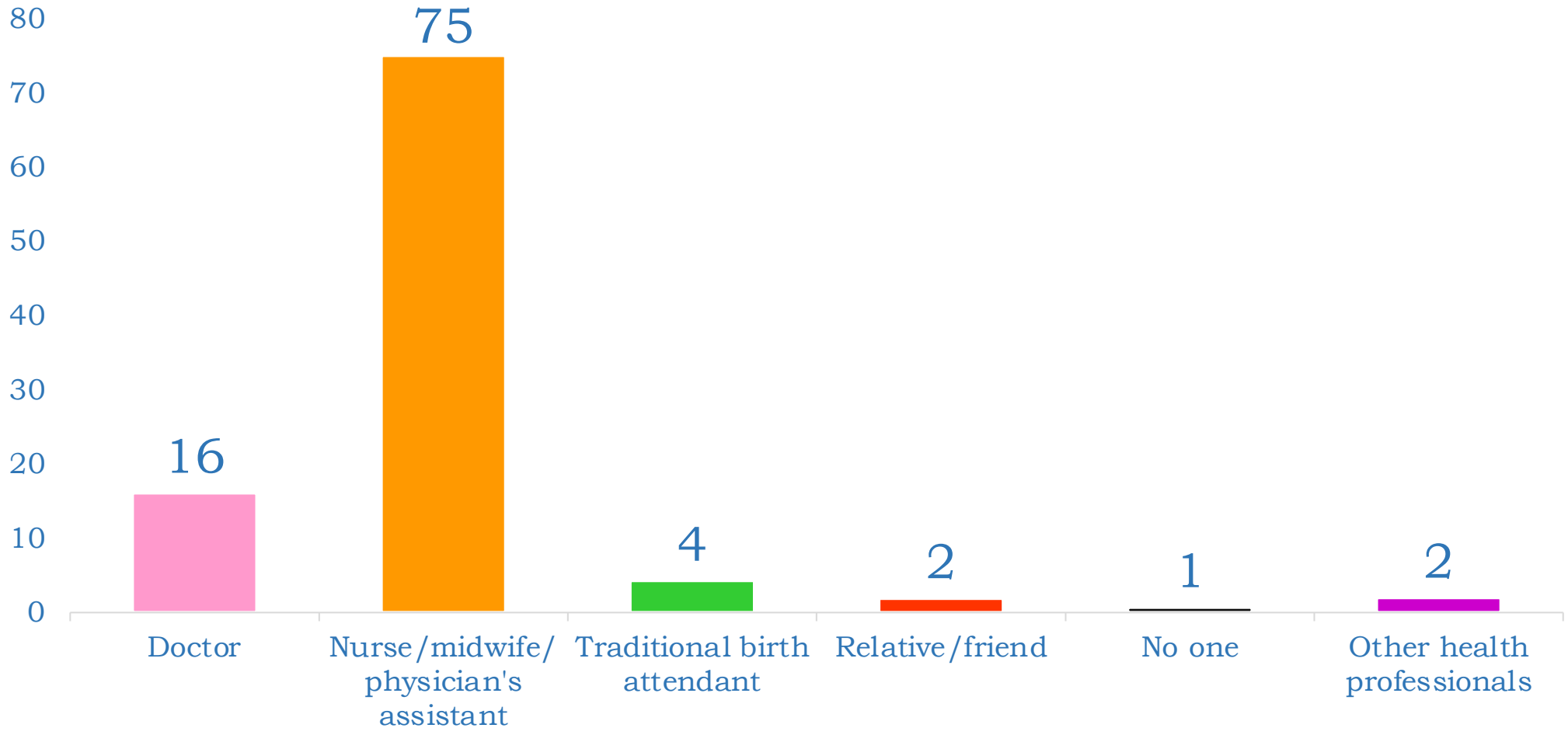
Trends in place of delivery

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



Assistance during delivery

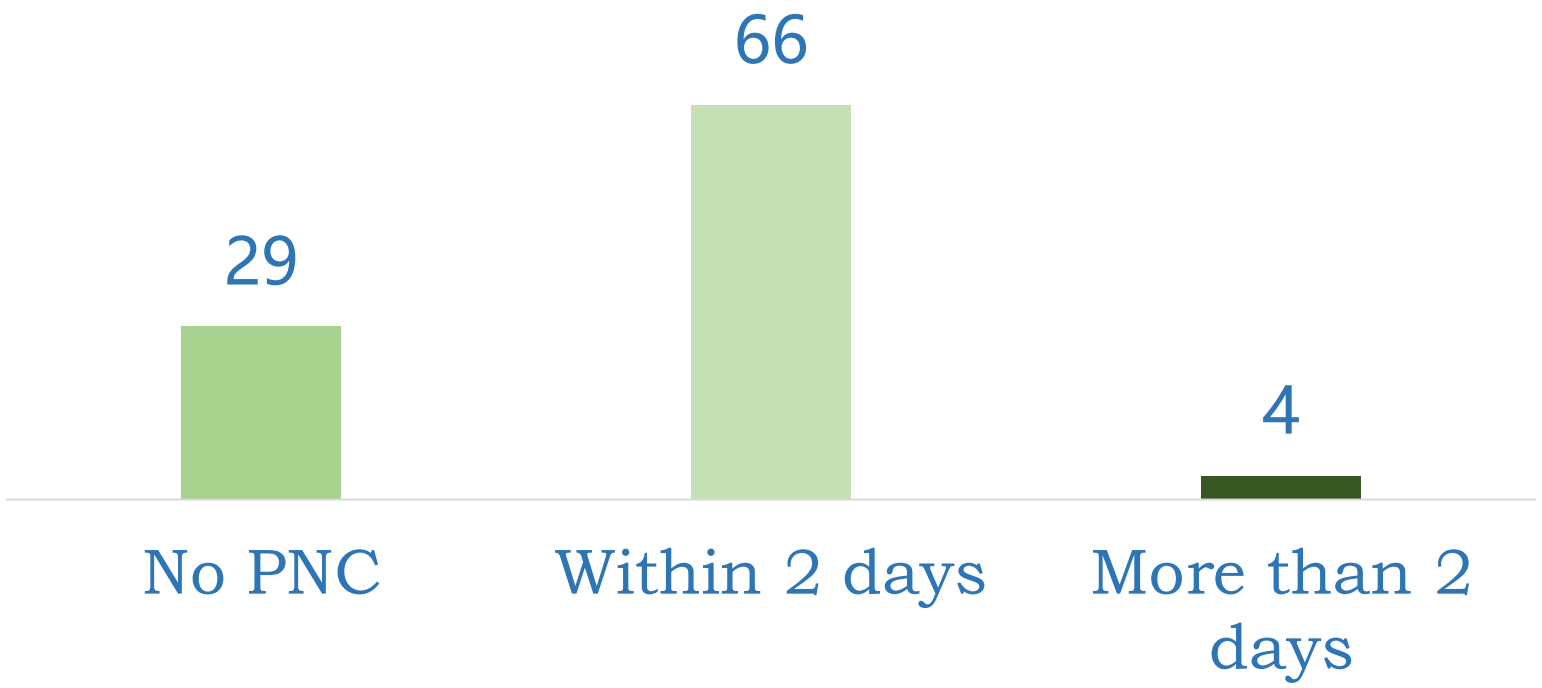
Percent distribution of live births in the 5-year period before the survey



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

Timing of Postnatal Care (PNC) for Mother

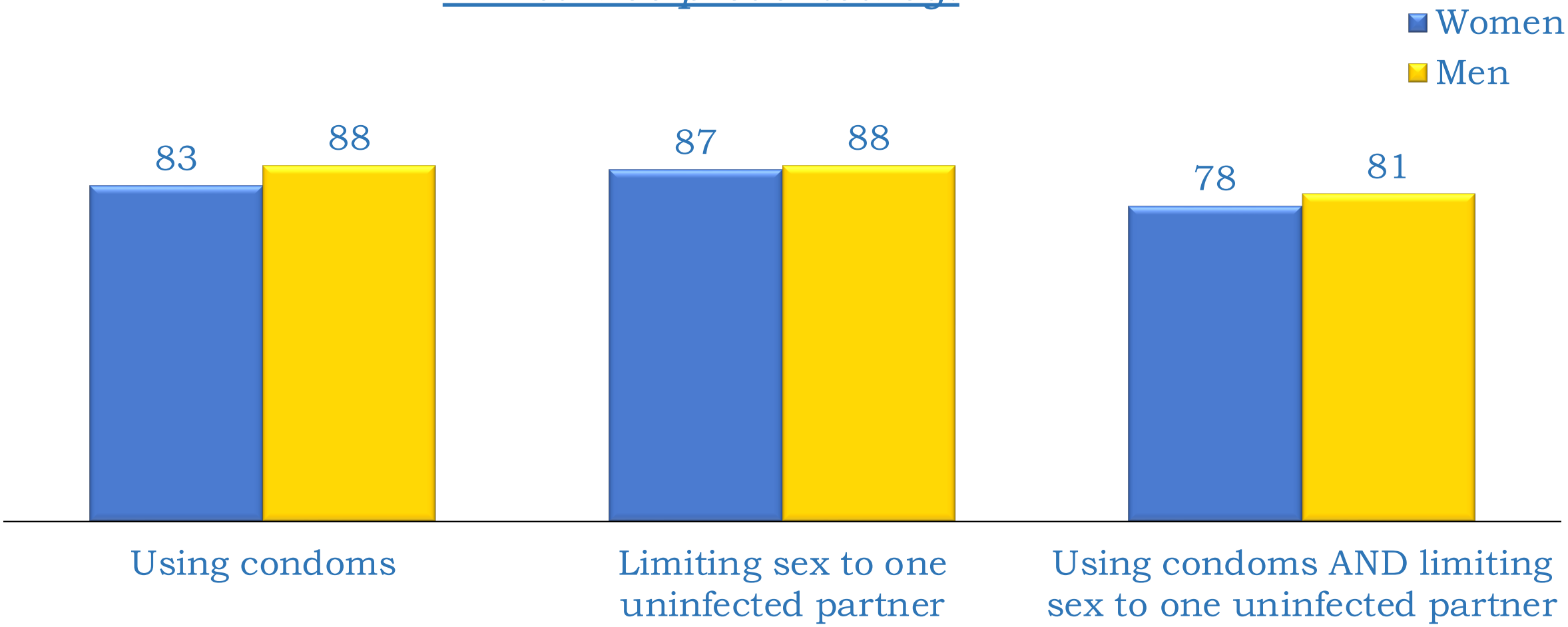
Percent of live births in the 2-year period before the survey



HIV

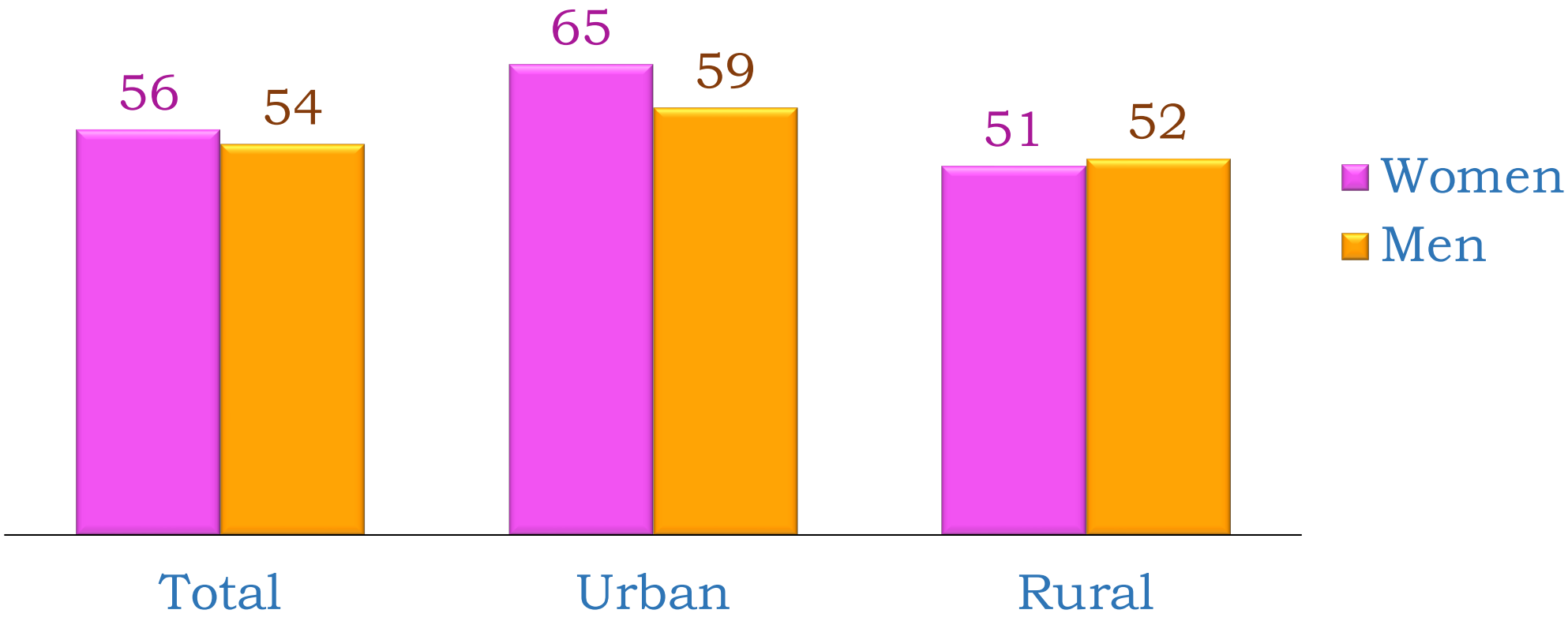
Knowledge of HIV Prevention Methods

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



Comprehensive Knowledge of HIV among Youth, Trend

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



SEXUAL VIOLENCE

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**

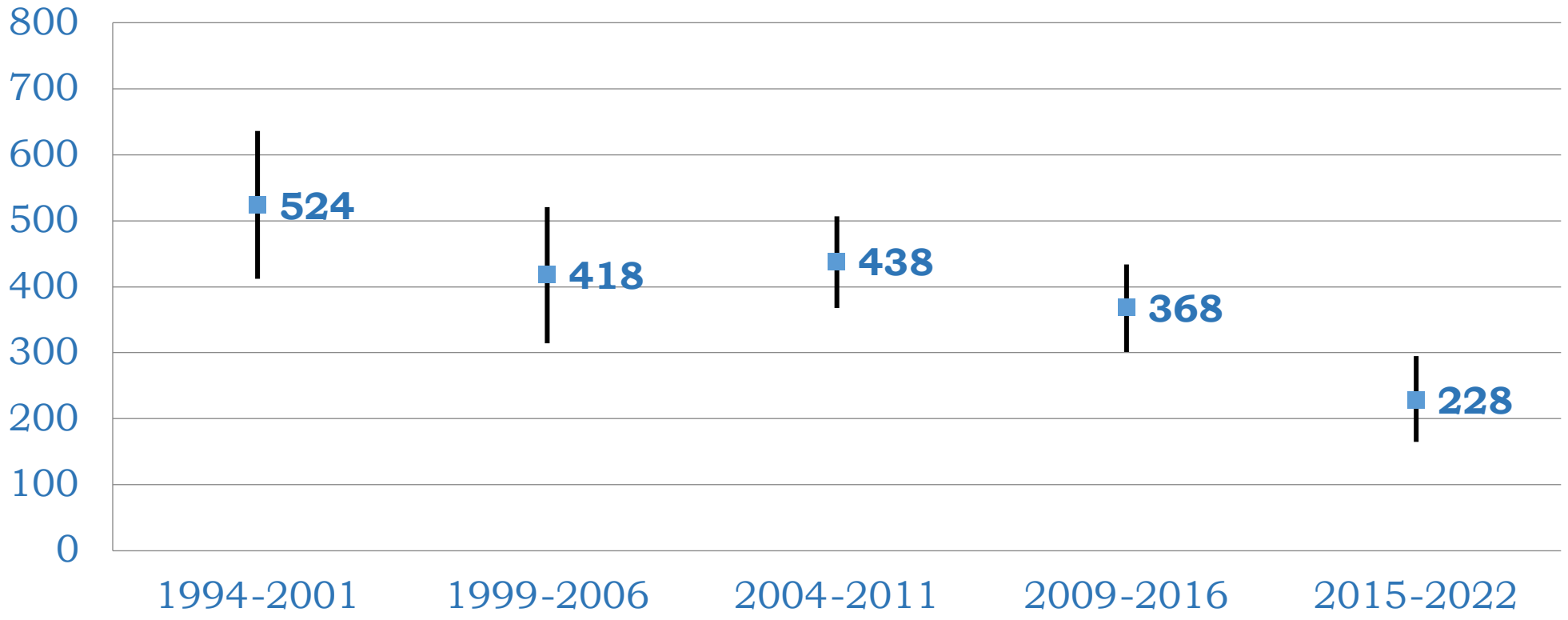
Pregnancy-Related Mortality Ratio

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**

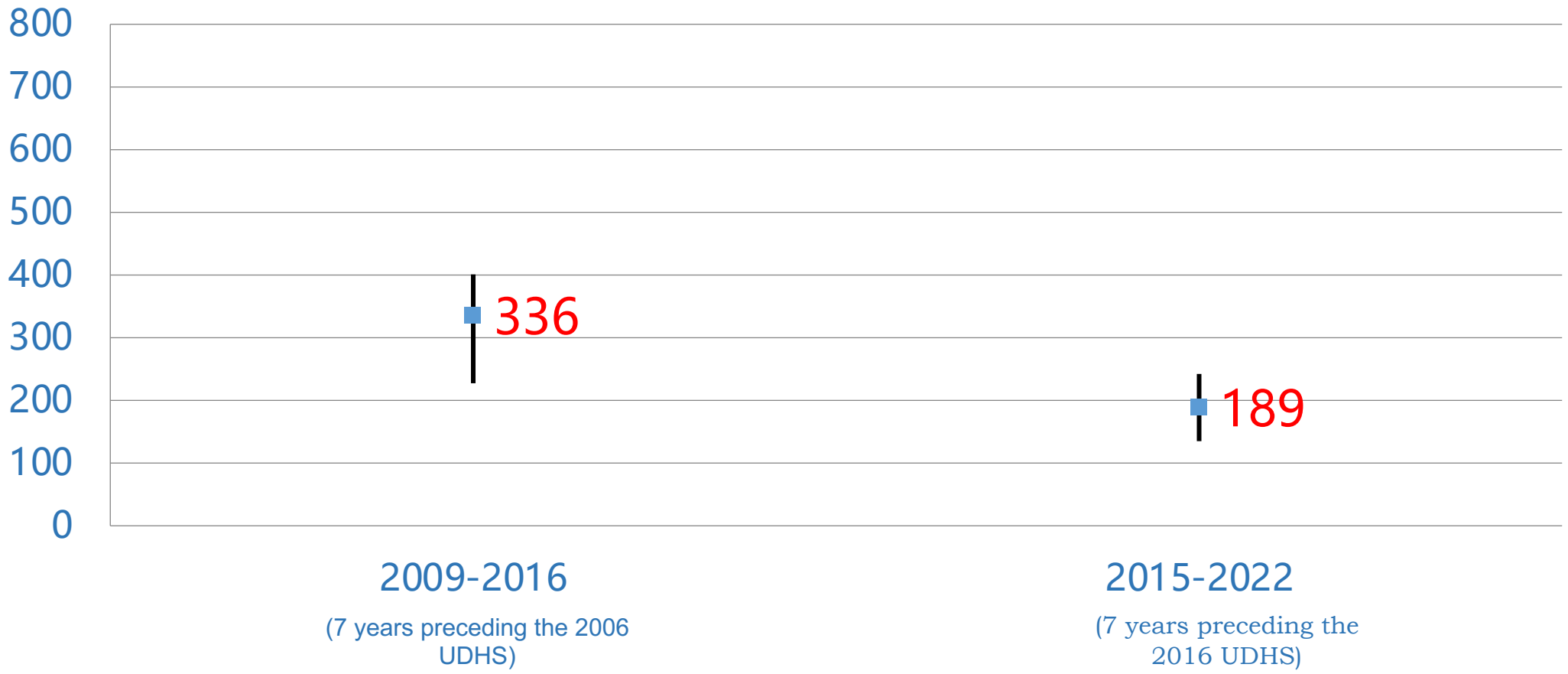
Trends in Pregnancy-Related Mortality Ratio

Pregnancy-related deaths per 100,000 live births



Trends in Maternal Mortality Ratio

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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