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

1988/89
1995
2000/01
2006
2011
2016
2022
UGANDA DHS SERIES

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

Demographic and Health Survey
2000-2001

Uganda
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
<table>
<thead>
<tr>
<th>Sub region</th>
<th>Districts</th>
</tr>
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<tbody>
<tr>
<td>Bunyoro</td>
<td>Buliisa, Hoima, Kibaale, Kiryandongo, Masindi</td>
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<td>Tooro:</td>
<td>Bundibugyo, Kabarole, Kasese, Ntoroko, Kyenjojo, Kamwenge, Kyegegwa</td>
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<tr>
<td>Kigezi:</td>
<td>Kabale, Kisoro, Kanungu, Rukungiri</td>
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<tr>
<td>Ankole:</td>
<td>Buhweju, Bushenyi, Ibanda, Isingiro, Kiruhura, Mbarara, Mitooma, Mitooma, Ntungamo, Ntungamo, Rubirizi, Sheema</td>
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</table>
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.
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.
Household 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
2022 Uganda Demographic Health Survey

DHS FIELD TOOLS

- Household Questionnaire
- Man’s Questionnaire
- Woman’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

#### Household 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

#### Woman’s Questionnaire

#### Man’s Questionnaire

#### Biomarker Questionnaire

**Translated from English to 8 local languages**
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
<table>
<thead>
<tr>
<th>Organization</th>
<th>Peer Reviewer</th>
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<tbody>
<tr>
<td><strong>UNFPA</strong></td>
<td>Dr. Fredrick Okwayo</td>
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<td></td>
<td>Daniel Alemu</td>
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<td></td>
<td>Florence Tagoola Mpabulungi</td>
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<td>Dr. Hassan Eini-Zinab</td>
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<td>Muhammad Ali Raza</td>
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<td>Johnson Lubega Kagugube</td>
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<td><strong>UNICEF</strong></td>
<td>Dr. Moses Sichei</td>
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<td></td>
<td>Martin Njoroge</td>
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<td></td>
<td>Arthur Mutesaasira</td>
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<td><strong>WHO</strong></td>
<td>Dr. Sentumbwe Olive</td>
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<td></td>
<td>Dr. Natseri Nasan</td>
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<td></td>
<td>Dr. Hillary Kipruto</td>
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<td>Dr. Benson Droti</td>
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<td><strong>UBOS</strong></td>
<td>Helen Nviiri Namirembe</td>
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<td>Dr. Vincent Ssenono</td>
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<td>Johnstone Galande</td>
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<td>Moses Mbuusi</td>
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<td>Derrick Eranda</td>
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<td>Francis Kayondo</td>
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<td>Lawrence Mukula</td>
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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

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