



2022 Kenya Demographic and Health Survey (KDHS)

Key Indicators Report

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Key Indicators Report

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#2022KDHS



2022 Kenya Demographic and Health Survey (KDHS)



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INTRODUCTION

The 2022 Kenya Demographic and Health Survey (2022 KDHS) was implemented by the Kenya National Bureau of Statistics (KNBS) in partnership with the Ministry of Health (MoH) and other stakeholders.

The UN Resident Coordinator office assured the coordination of UN agencies supporting the 2022 KDHS.

ICF provided technical assistance through The DHS Program, a USAID-funded project providing support and technical assistance in implementing population and health surveys in countries worldwide.



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Development Partners



USAID
FROM THE AMERICAN PEOPLE



BILL & MELINDA GATES foundation



unicef 
for every child



Objective

- The primary objective of the 2022 KDHS is to provide up-to-date estimates of socioeconomic, demographic, health and nutrition indicators to guide the planning, implementation, monitoring and evaluation of population, health and nutrition programs at national and county levels.

The Survey

- The 2022 KDHS is the 7th demographic and health survey conducted in Kenya since 1989 as part of The DHS Program.
- The 2022 KDHS was designed to provide estimates at the national level, and rural and urban areas and for some indicators, at the county level.

Sample Design

Sampling Frame: Kenya Household Master Sample Frame (KHMSF), maintained by KNBS.

First Stage: 1,692 clusters selected (666 urban and 1,026 rural)

Second Stage: 25 households selected per cluster. Selected households were visited and interviewed.

All women age 15-49 in all selected households and **men age 15-54 in half** of the selected households were interviewed.

Anthropometry measurements were collected from children age 0-59 months in all households and among women and men in households selected for the man's survey.



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Questionnaires

1. Household Questionnaire (*Full and Short*)
2. Woman's Questionnaire (*Full and Short*)
3. Man's Questionnaire
4. Biomarker Questionnaire (*Full and Short*)
5. Fieldworker Questionnaire

The questionnaires were finalized in English and translated into **Kiswahili**.



Household Questionnaire

- List usual members and visitors to identify eligible individuals
- Basic characteristics of each person in the household (age, sex, education, etc.)
- Housing characteristics (drinking water, sanitation facilities, materials used for floor, etc.)
- Collect data on birth registration, disability, health insurance, ownership of mosquito nets, accident and injury, COVID-19, food security, and household food consumption.

Woman's Questionnaire

- Background characteristics (age, education, literacy, etc.)
- Reproduction
- Family planning and fertility
- Maternal health care and breastfeeding
- Vaccination and health of children
- Children's nutrition
- Woman's dietary diversity
- Early childhood development
- Marriage and sexual activity
- Husband's background characteristics and woman's employment
- HIV/AIDS, other STIs and TB
- Other health issues
- Chronic diseases
- Female genital mutilation/cutting
- Domestic violence

Man's Questionnaire

- Socio-demographic characteristics
- Reproduction
- Family planning
- Marriage and sexual activity
- Fertility preferences
- Employment and gender roles
- HIV/AIDS, other STIs and TB
- Other health issues
- Chronic diseases
- Female genital mutilation/cutting
- Gender-based violence

Biomarker Questionnaire

In all households:

- **Height and weight measurements:** Children under 5

In households selected for men's interview (*50% of all HH*):

- **Height and weight measurements:**
 - Women age 15-49
 - Men age 15-54

Fieldworker Questionnaire

- Records interviewers' background characteristics, used for data quality analysis



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Training:

Training of Trainers:

Virtual Training from Nov 29 – Dec 3, 2021 for 45 trainers from KNBS, MOH, other government departments and development partners

Pretest:

Training from Dec 11, 2021 – Jan 18, 2022

In addition to classroom instruction, 2 days of field practice to pilot survey tools and procedures

Main Training:

Training from Jan 17 – Feb 13, 2022 with 314 personnel (48 supervisors, 48 biomarkers, 144 female interviewers, 48 male interviewers, and 26 reserve interviewers)



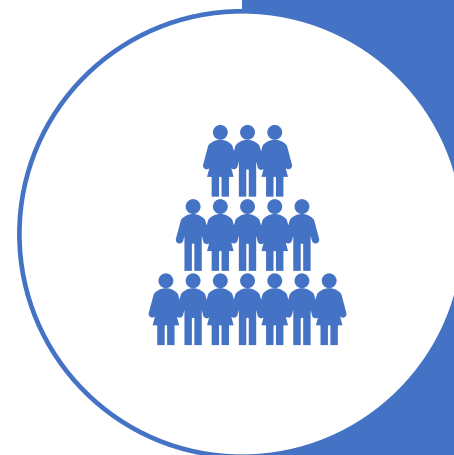
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Fieldwork and Data Processing

- Total of **48 teams** ;

Each team comprised of:

- 1 team supervisor,
 - 1 biomarker technician,
 - 3 female interviewers,
 - 1 male interviewer, and a driver
-
- Fieldwork conducted from **Feb 17 – July 13, 2022**
 - Electronic data collected on tablets through the CAPI system were transferred via SyncCloud to the KNBS central office



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Results of Household and Individual Interviews

Household Interviews

Households selected	42,022
Households occupied	38,731
Households interviewed	37,911
Response rate	98%

Interviews with Women age 15-49

Eligible women	33,879
Women interviewed	32,156
Response rate	95%

Interviews with Men age 15-54 (1/2 of households)

Eligible men	16,552
Men interviewed	14,453
Response rate	87%

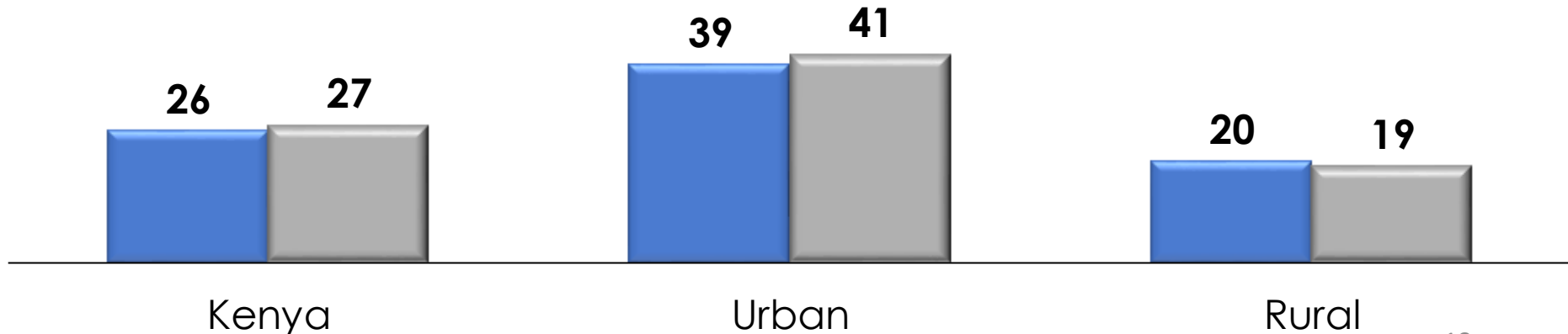


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Health Insurance Coverage among the Household Population by Residence

Percent of the de jure household population of women and men with health insurance coverage

■ Women ■ Men



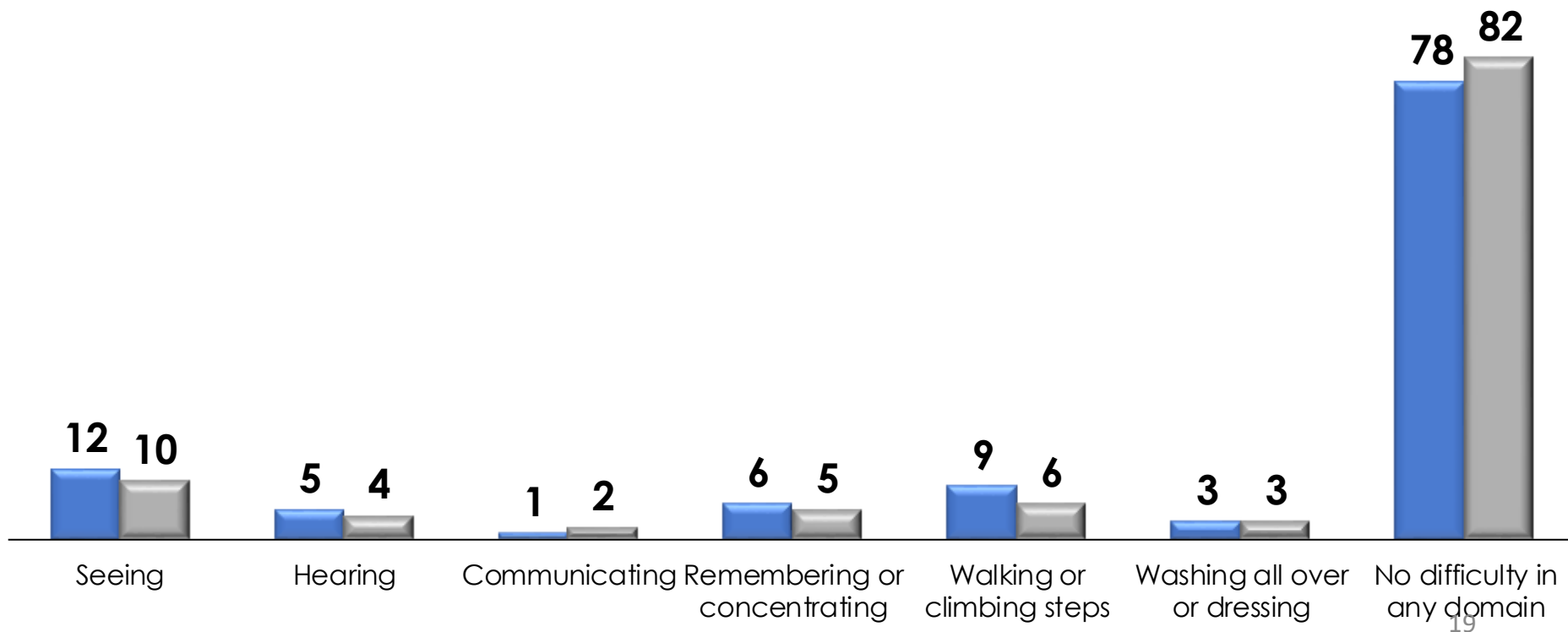


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Disability among the Household Population

Percent of the de facto household population of women and men age 5+ with some difficulty, a lot of difficulty, or cannot do at all in functional domains and percent with no difficulty in any domain

■ Women ■ Men





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Education Level of Survey Respondents

Percent distribution of women and men age 15-49

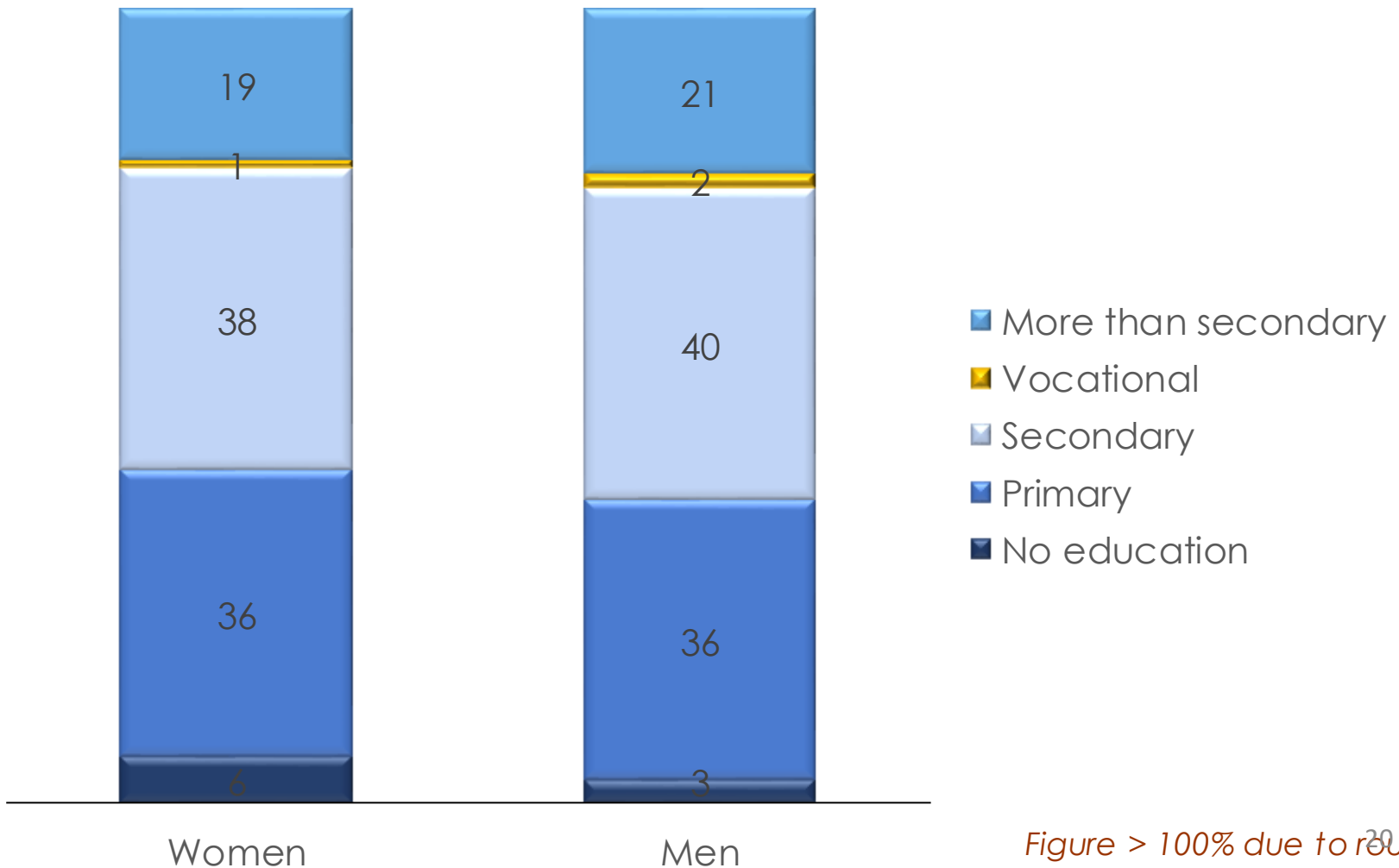


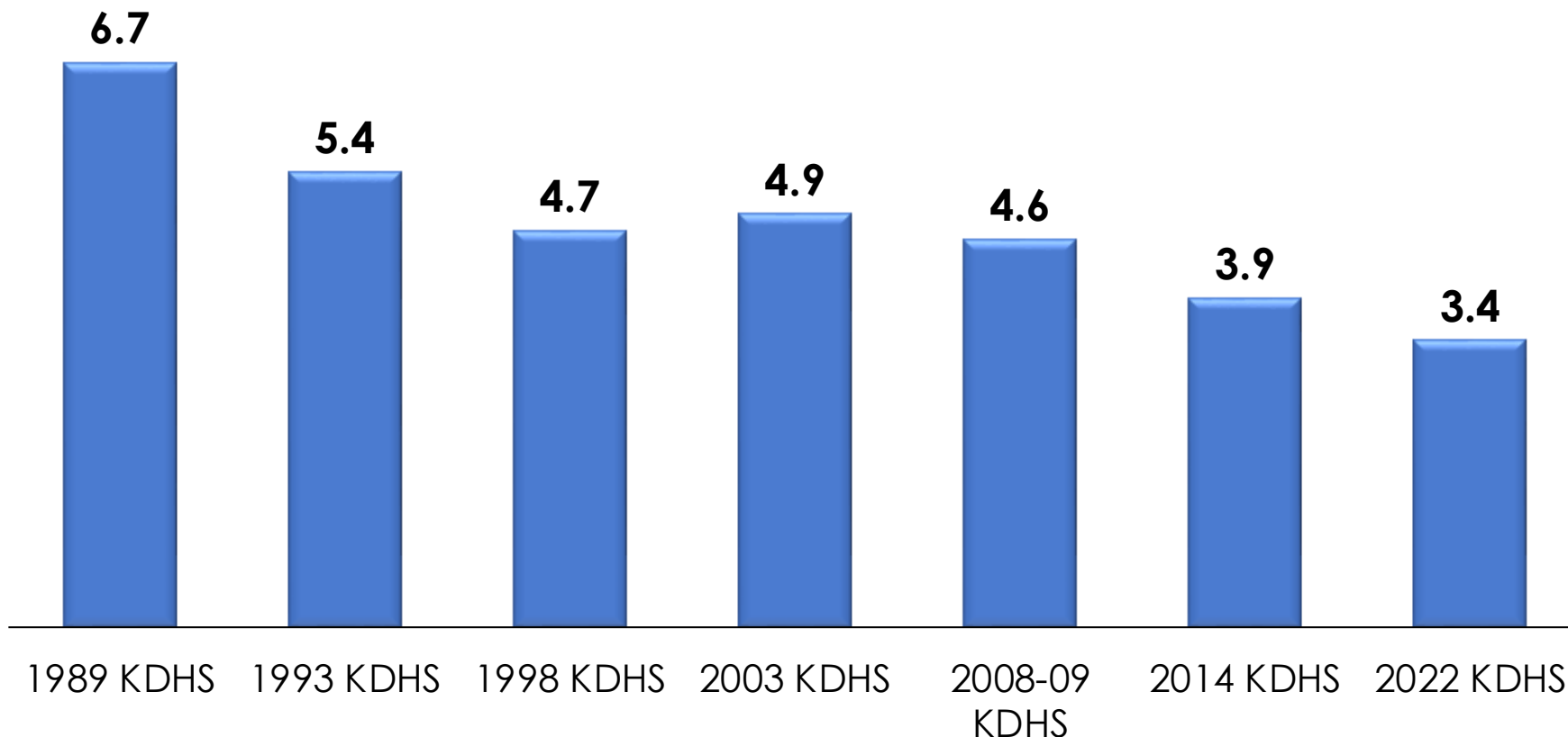
Figure > 100% due to rounding.



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Fertility Trends

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



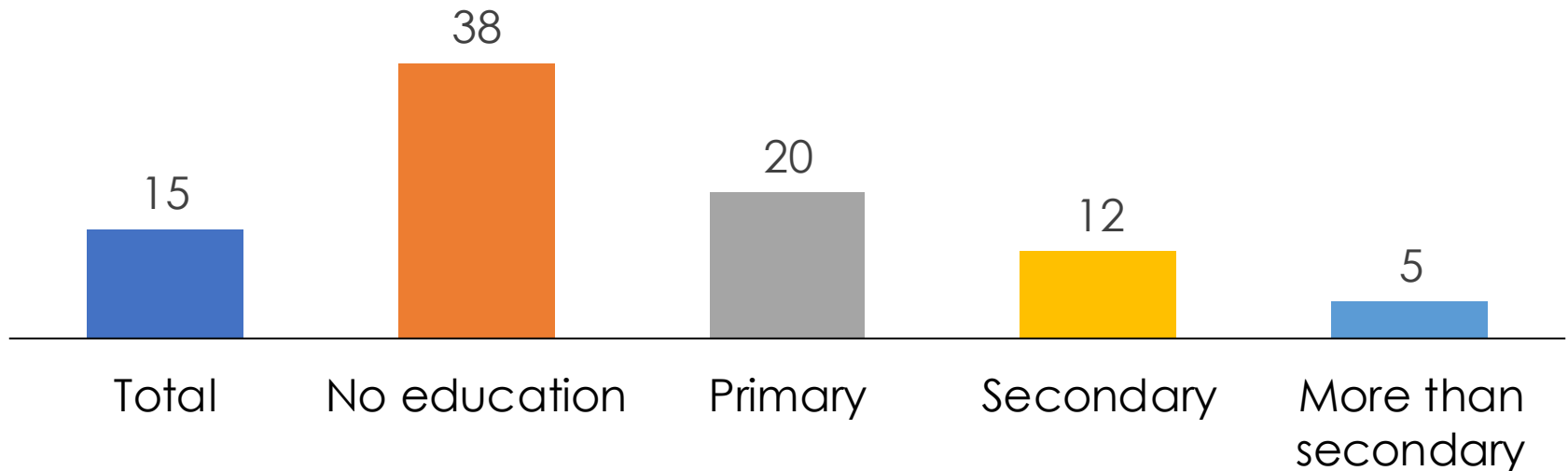
Note: Data from 2003 and later are nationally representative while data before 2003 exclude North Eastern region and several northern districts in the Eastern and Rift Valley regions.



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Teenage Pregnancy by Education Level

Percent of women age 15-19 who have ever been pregnant

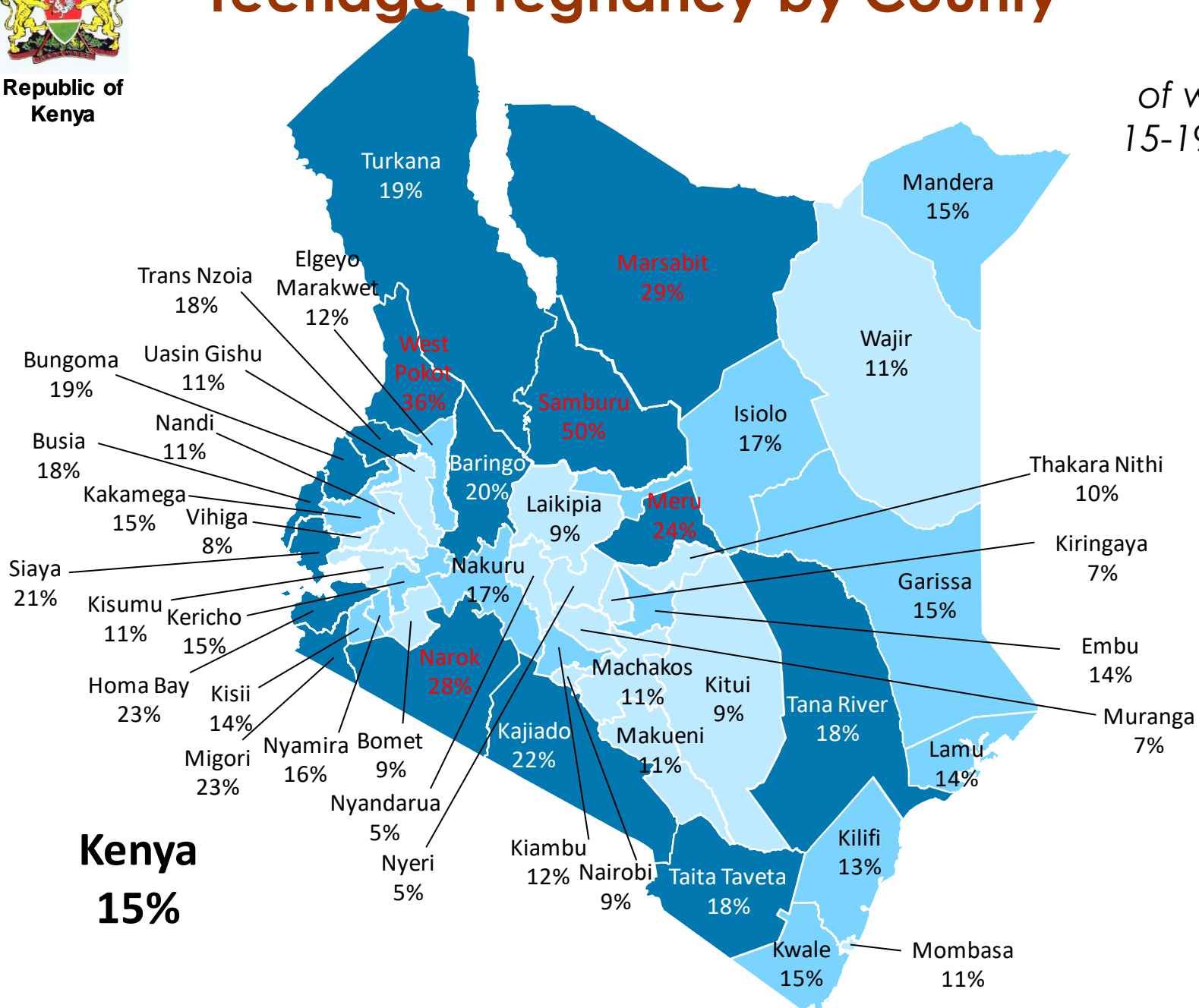




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Teenage Pregnancy by County

Percent of women age 15-19 who have ever been pregnant

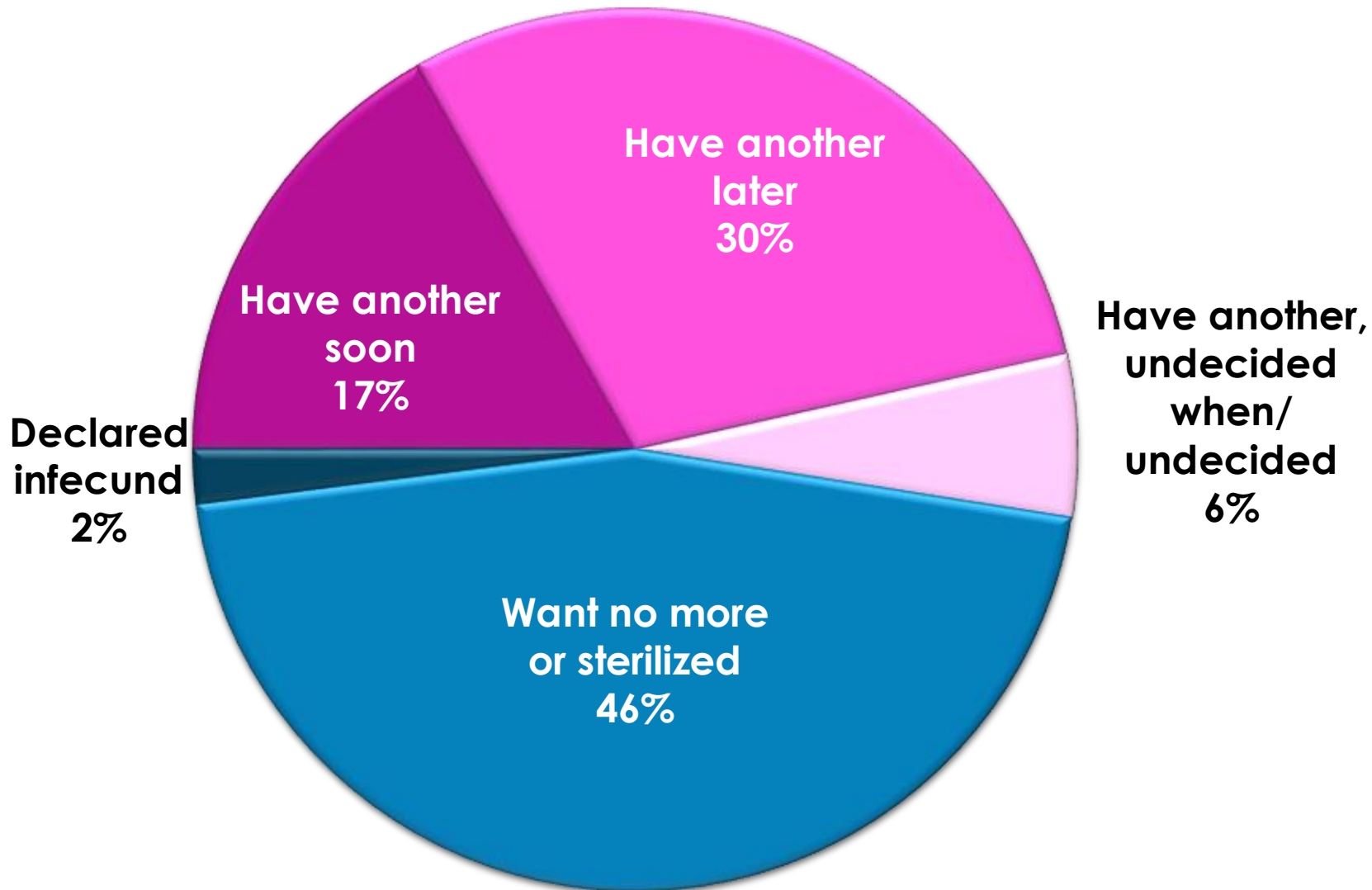




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Fertility Preferences

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

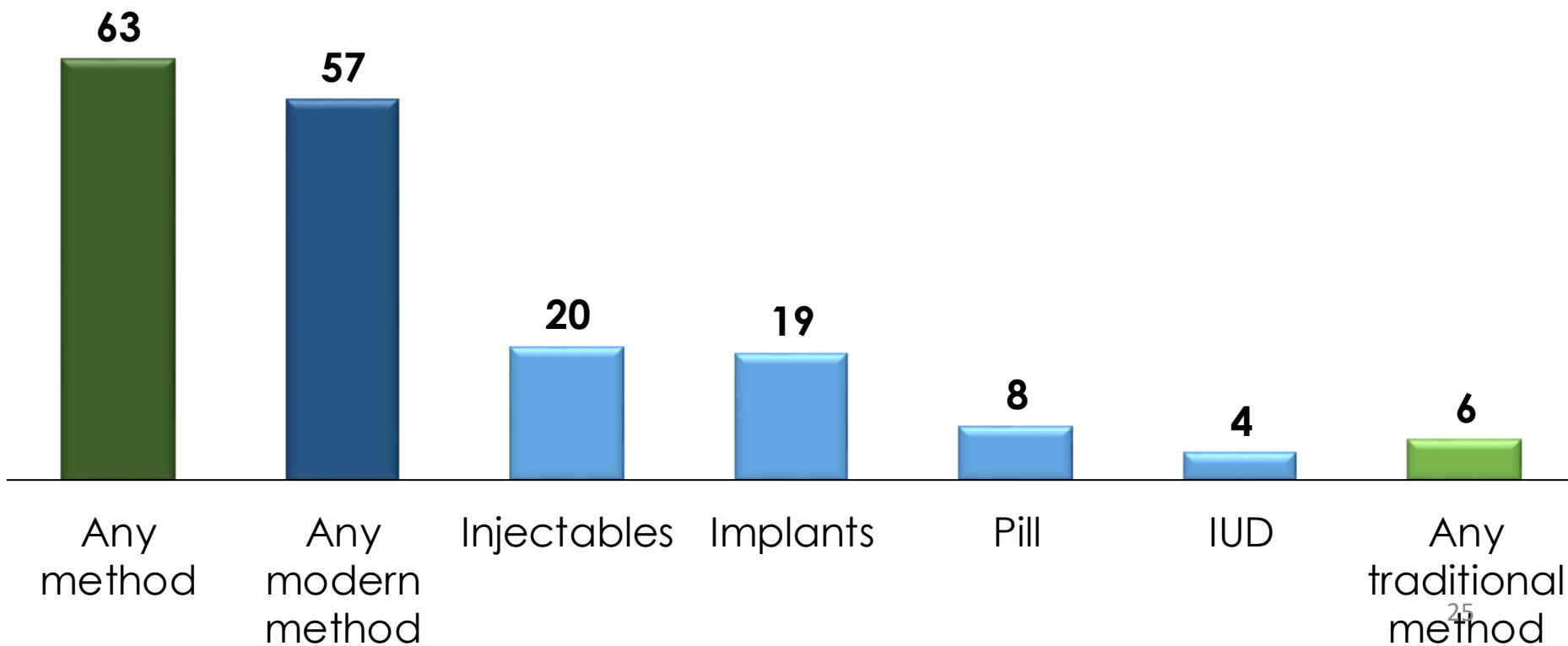




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Current Use of Family Planning

Percent of married women age 15-49 who use:

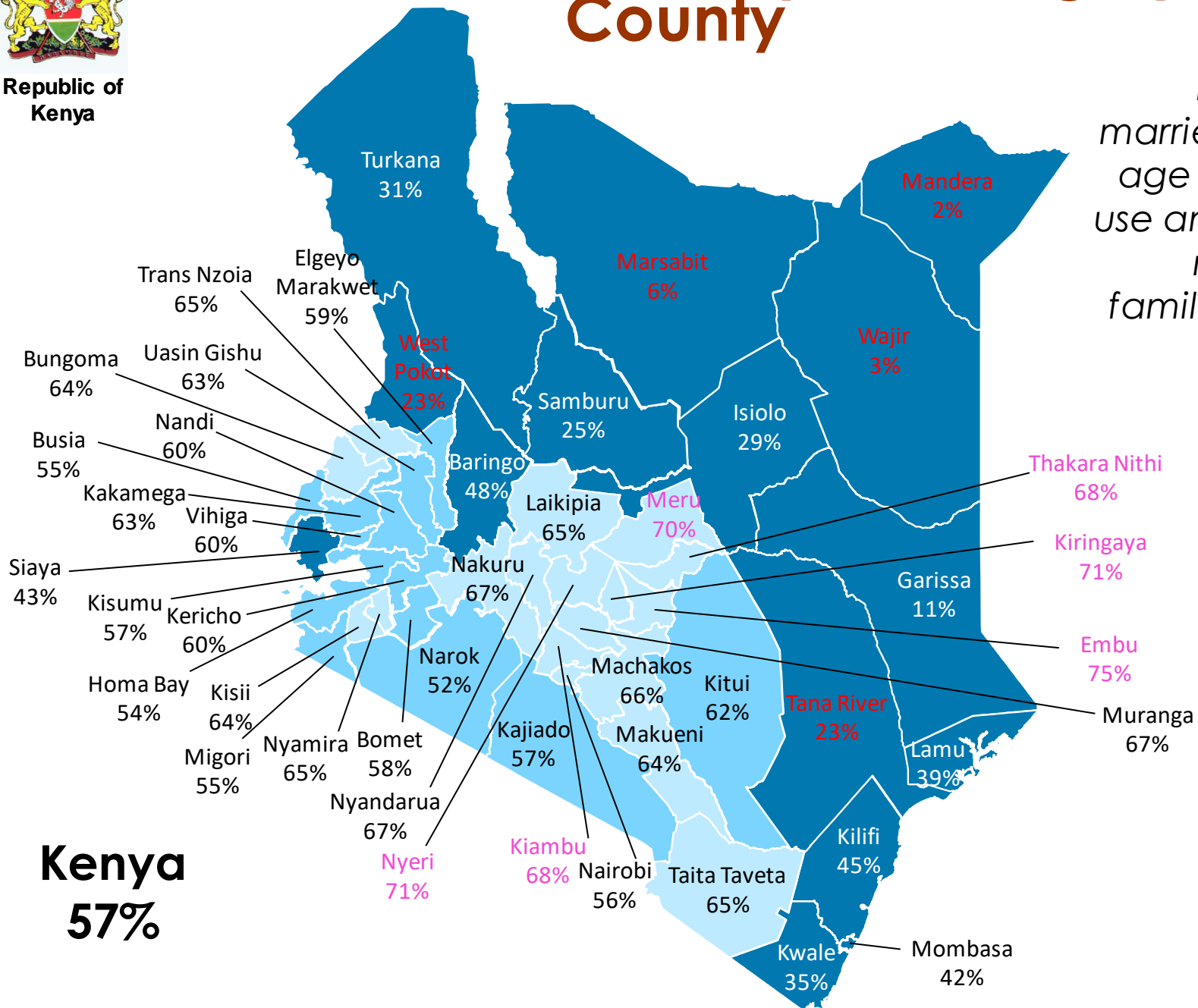




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Use of Modern Family Planning by County

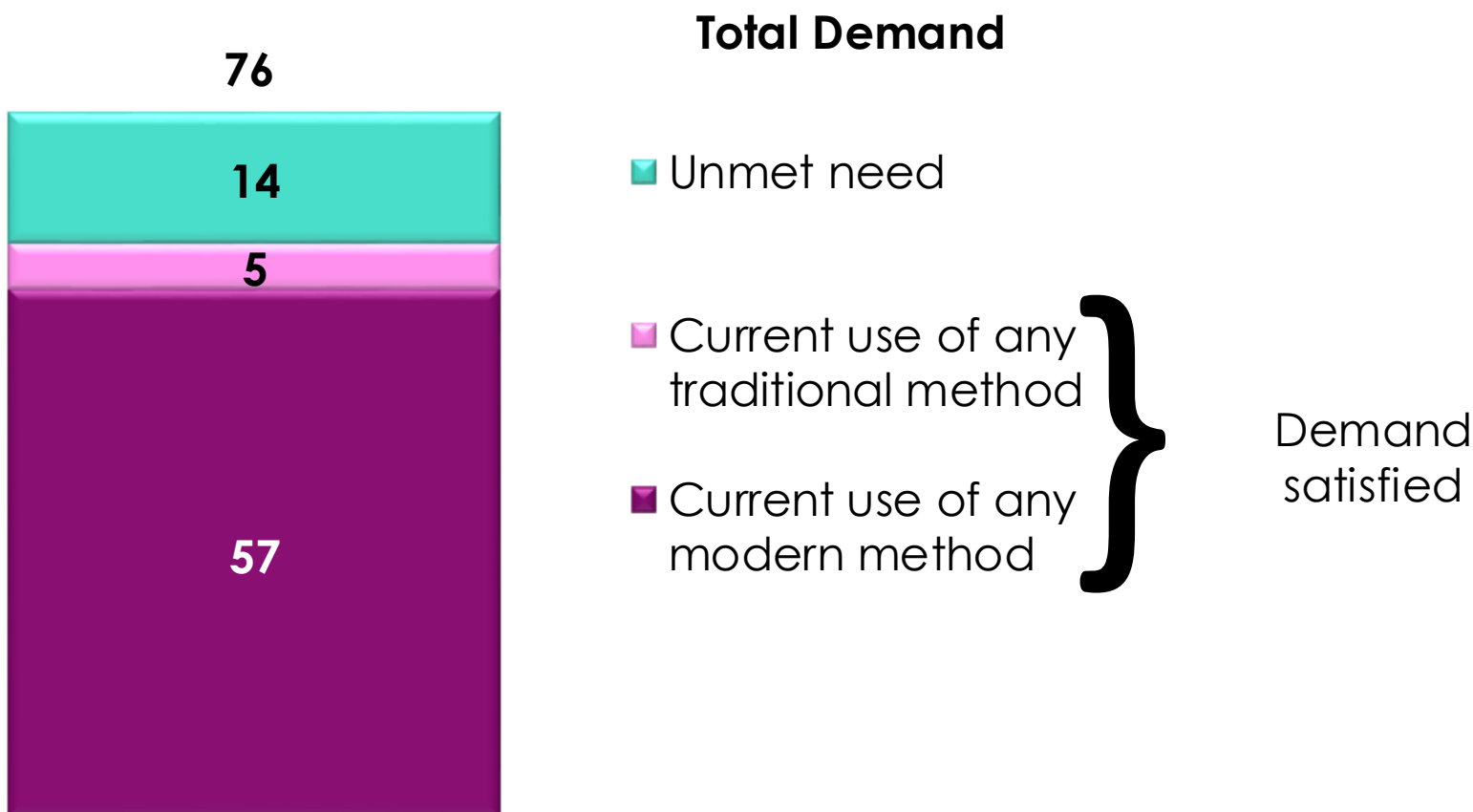
Percent of married women age 15-49 who use any modern method of family planning





Total Demand for Family Planning

Percent of married women age 15-49 with unmet need, met need, and total demand for family planning

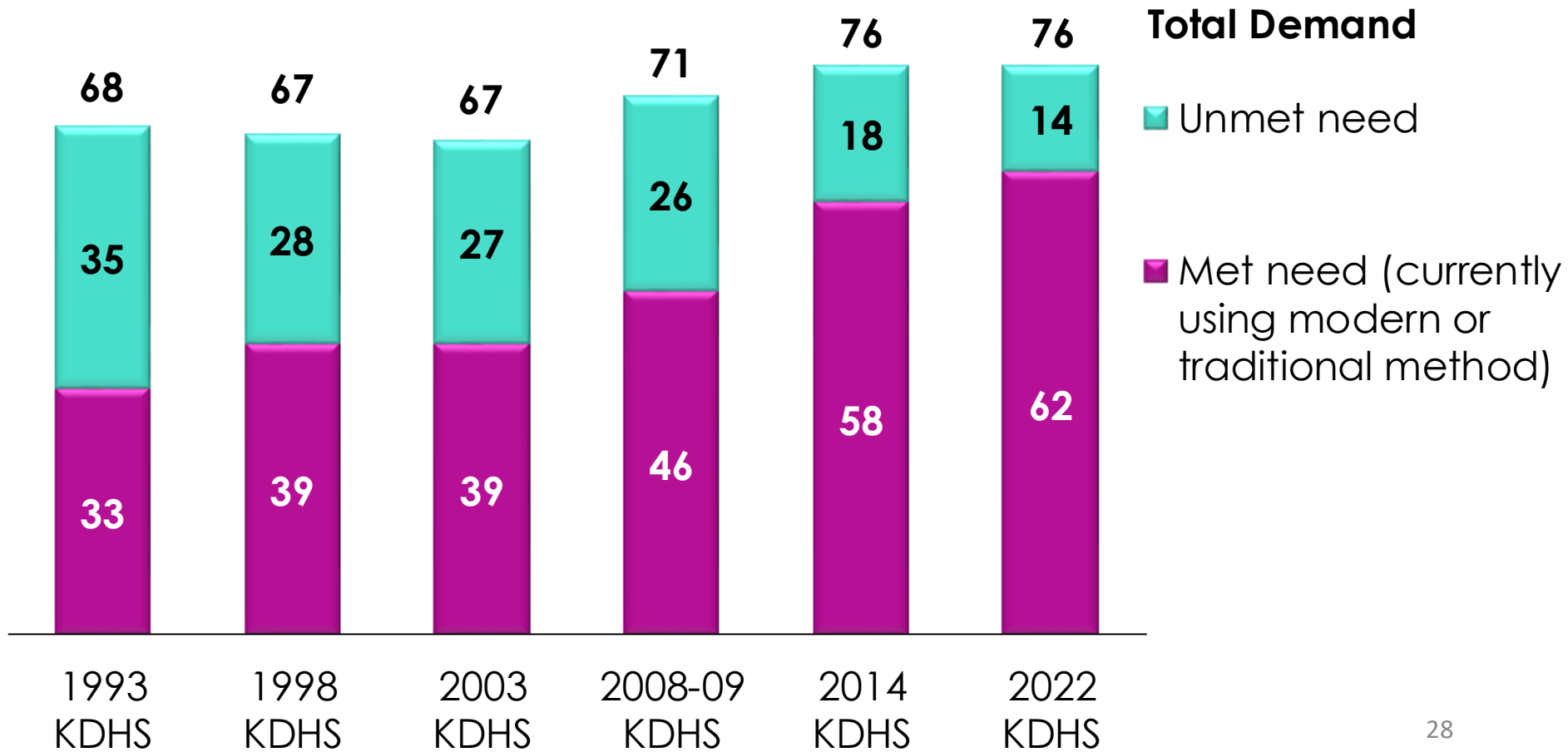




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Trends in Use, Need, and Demand for Family Planning

Percent of married women age 15-49





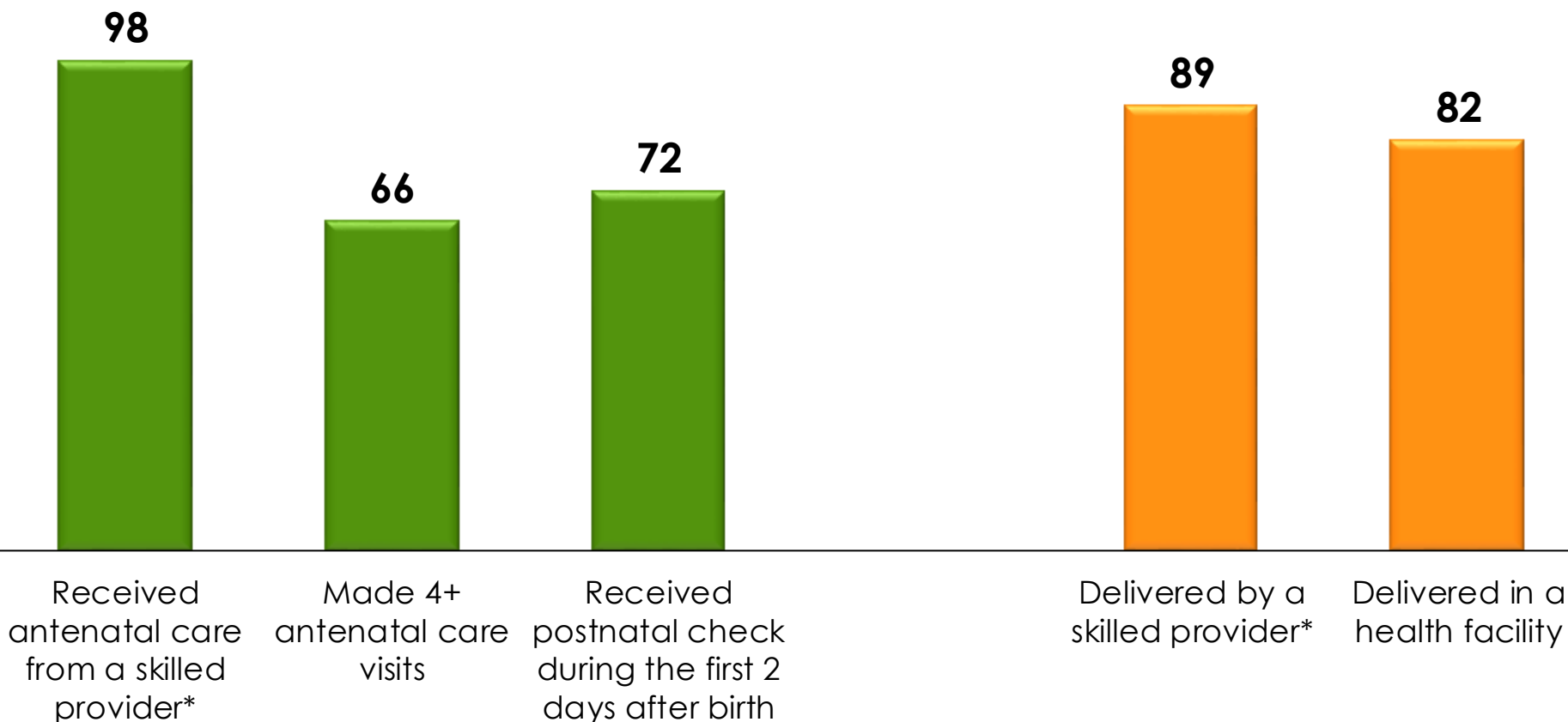
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Maternal Care

In the 2 years preceding the survey

*Percent of women age 15-49 who had a live birth
and/or a stillbirth for most recent birth or stillbirth*

*Percent of live births and/or
stillbirths*



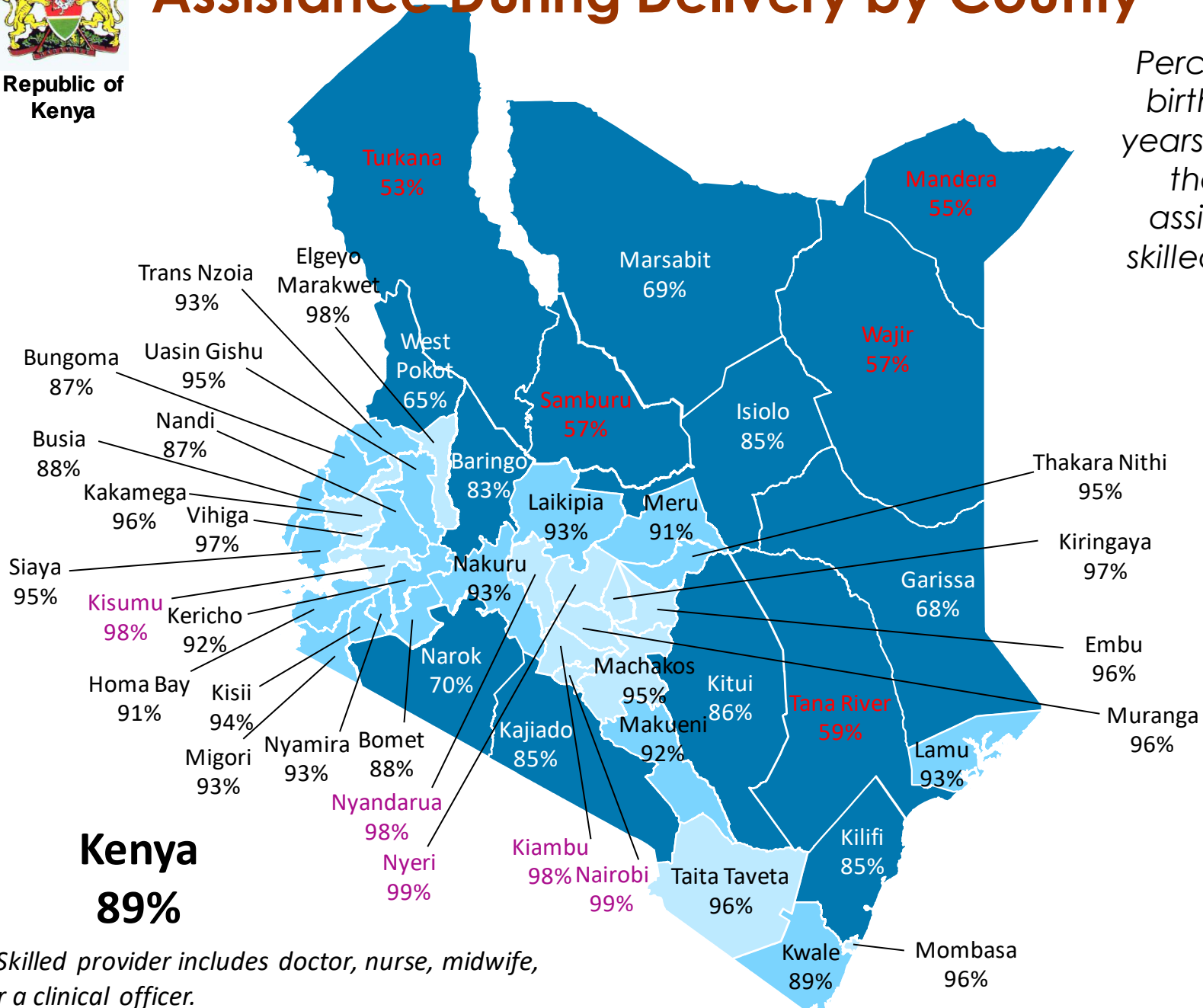
*Skilled provider includes doctor, nurse, midwife, or a clinical officer.



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Assistance During Delivery by County

Percent of live births in the 2 years preceding the survey assisted by a skilled provider*



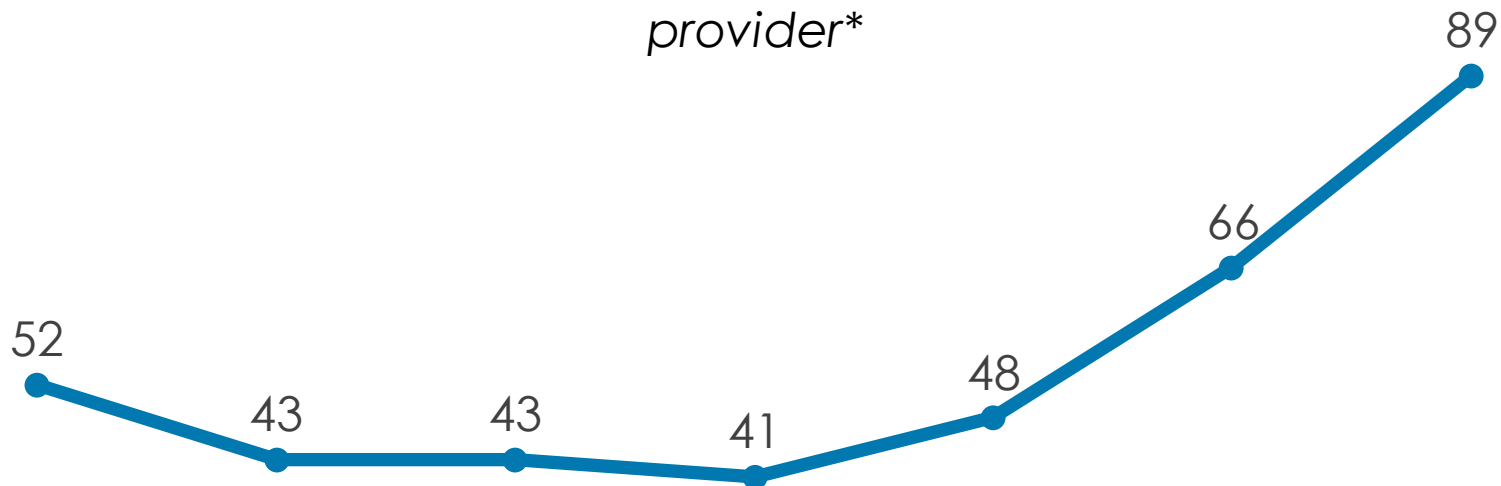
*Skilled provider includes doctor, nurse, midwife, or a clinical officer.



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Trends in Assistance during Delivery

Percent of live births in the 2 years preceding the survey assisted by a skilled provider*



1989
KDHS

1993
KDHS

1998
KDHS

2003
KDHS

2008-09
KDHS

2014
KDHS

2022
KDHS

*Skilled provider includes doctor, nurse, midwife, or a clinical officer.

Note: Data from 2003 and later are nationally representative while data before 2003 exclude North Eastern region and several northern districts in the Eastern and Rift Valley regions.



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Vaccinations

A child age 12-23 months is considered fully vaccinated (basic antigens), if the child has received:

- 1 dose BCG
- 3 doses of DPT-HepB-Hib
- 3 doses of oral polio vaccine (OPV)
- 1 dose Measles-rubella

A child age 12-23 months is considered fully vaccinated (according to Kenya national schedule), if the child has received:

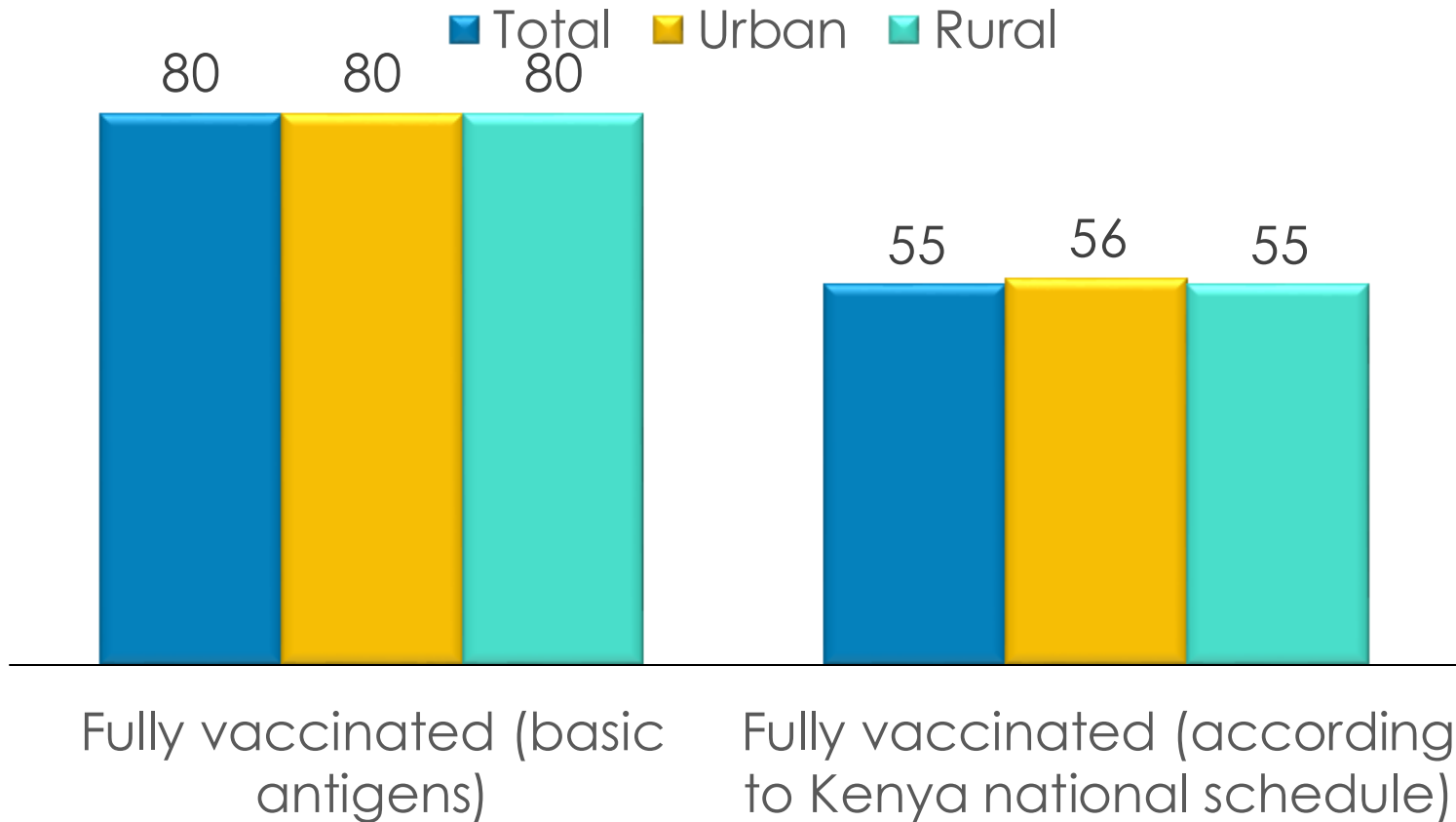
- 1 dose BCG
- 3 doses of DPT-HepB-Hib
- 4 doses of oral polio vaccine (OPV)
- 1 dose Measles-rubella
- 1 dose of inactivated polio vaccine (IPV)
- 3 doses of Pneumococcal vaccine
- 2 doses rotavirus



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Vaccination Coverage by Residence

Percent of children age 12-23
months who are:

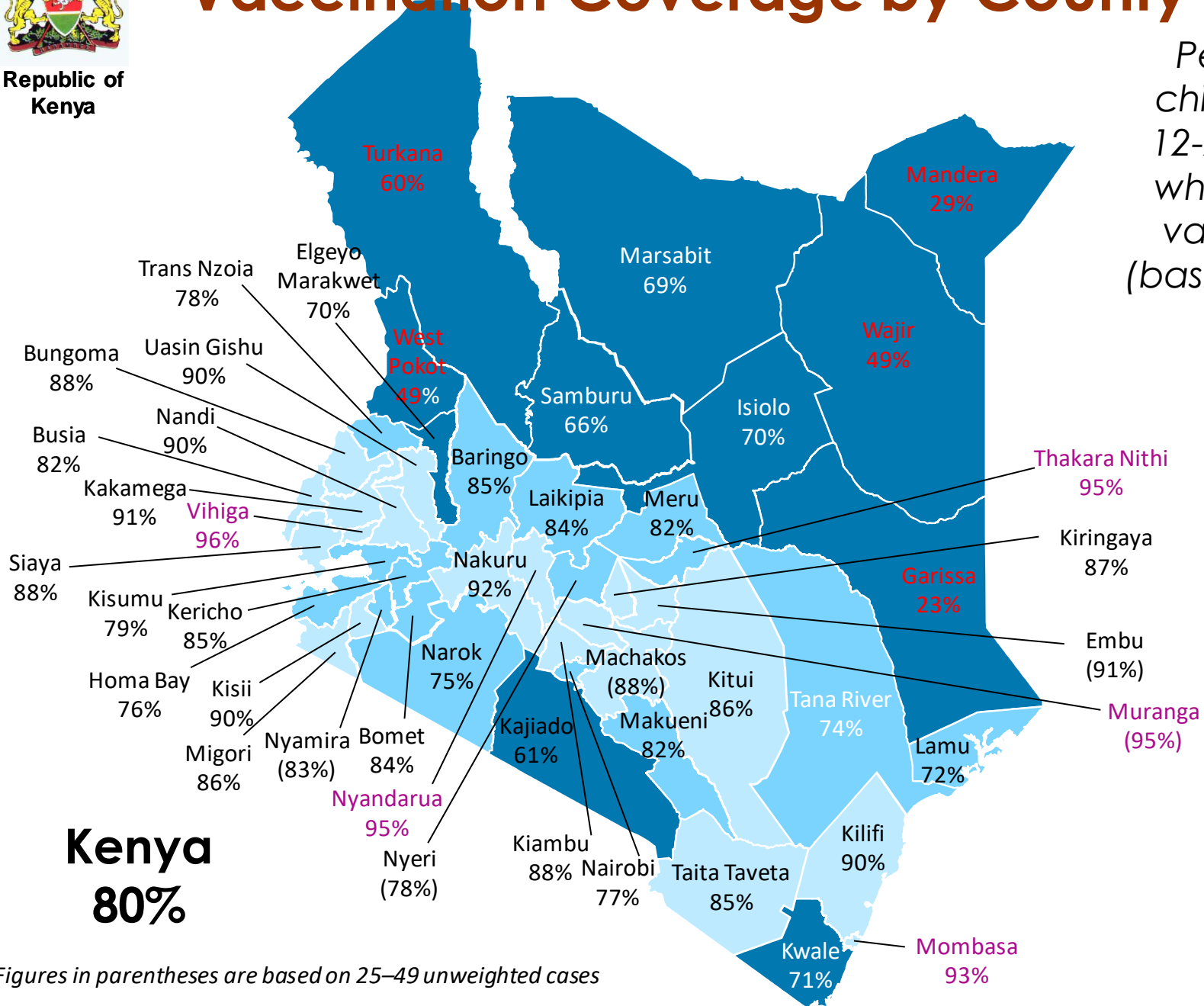




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Vaccination Coverage by County

Percent of children age 12-23 months who are fully vaccinated (basic antigens)



Figures in parentheses are based on 25-49 unweighted cases

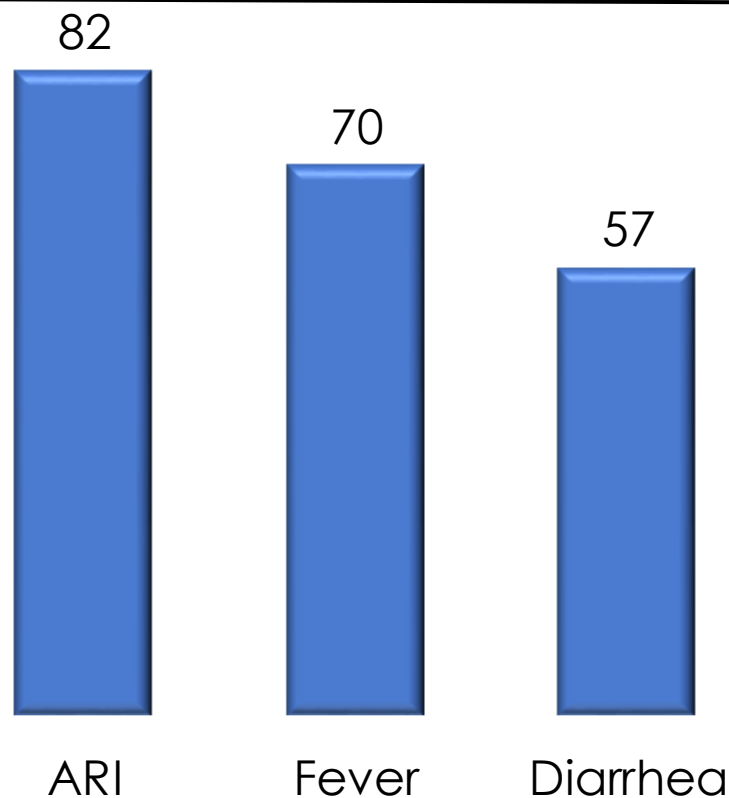


Symptoms of Childhood Illness and Care Seeking

Percent of children under 5 with symptoms in the 2 weeks before the survey



Among those children under 5 with symptoms of illness, percent for whom advice or treatment was sought

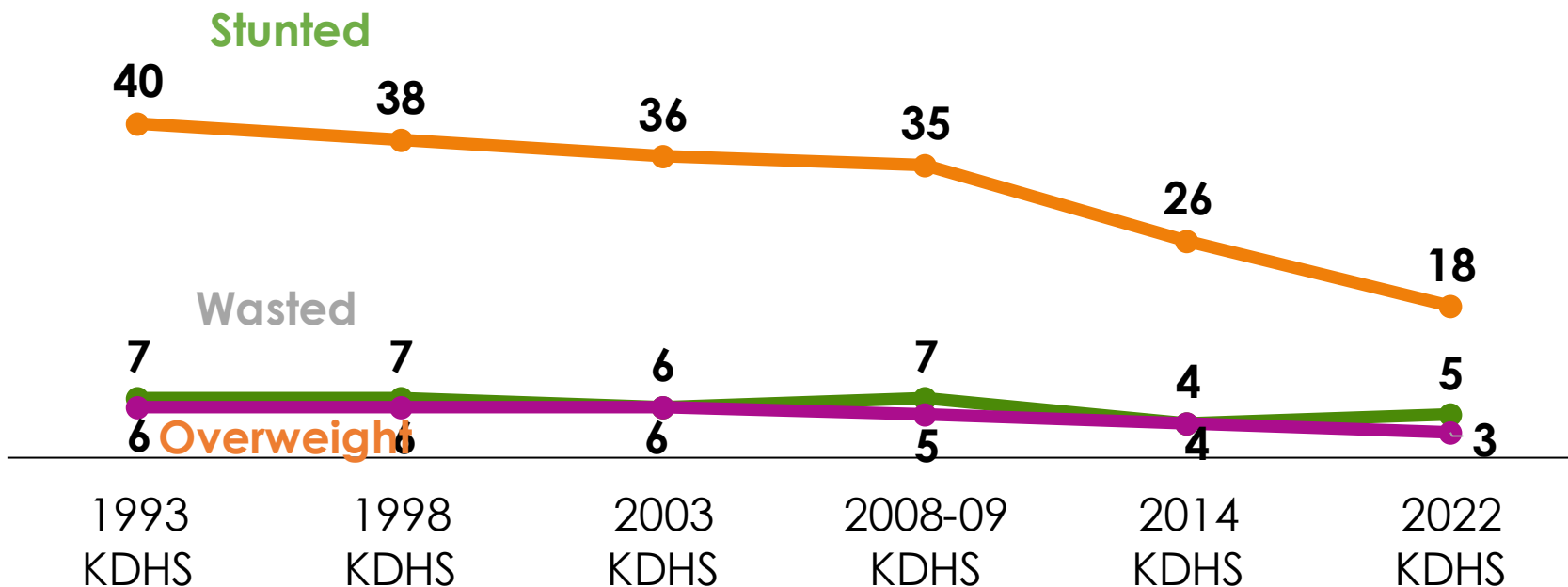




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Trends in Nutritional Status of Children

Percent of children under 5, based on 2006 WHO Child Growth Standards:



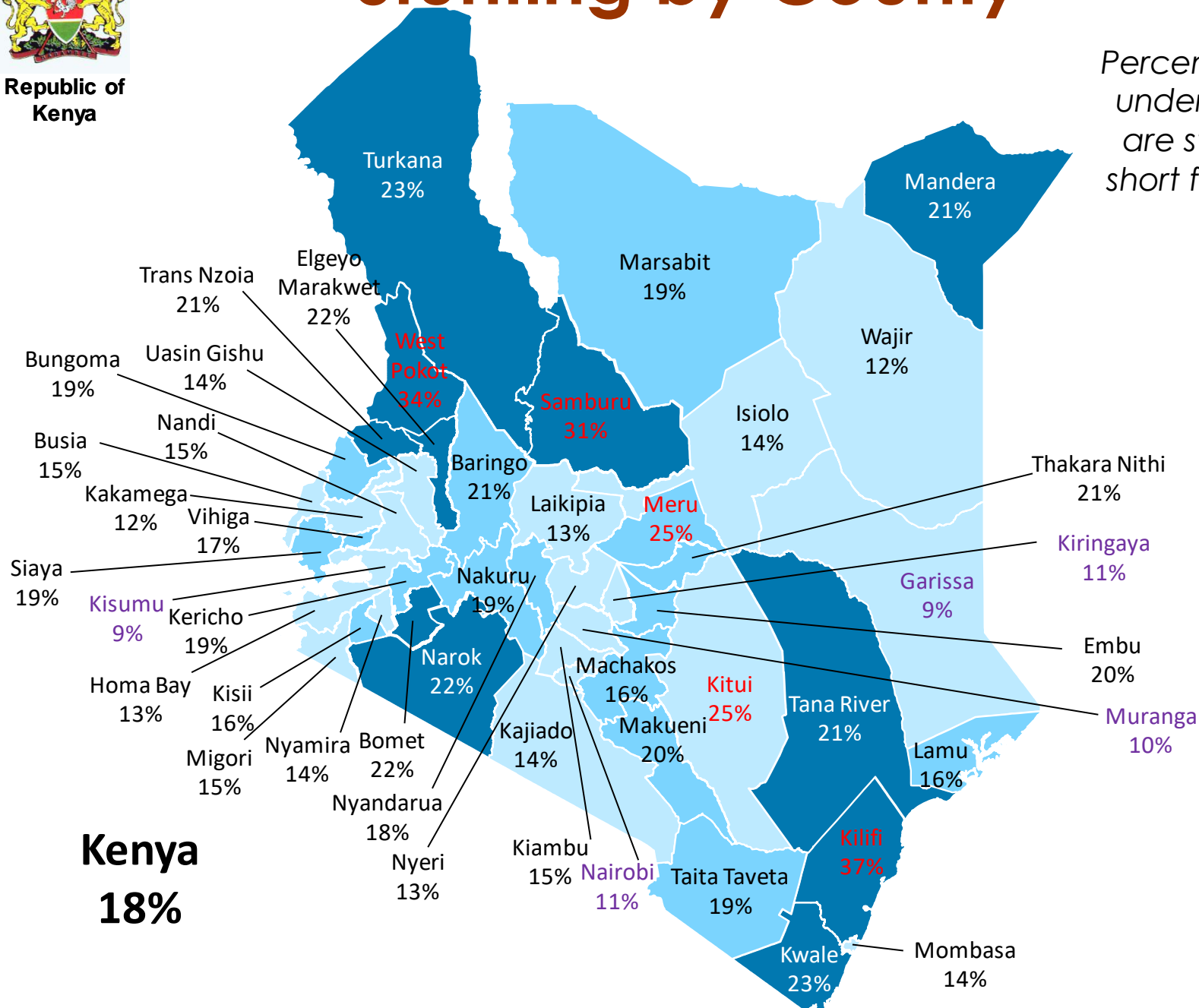
*Data from 2003 and later are nationally representative while data before 2003 exclude North Eastern region and several northern districts in the Eastern and Rift Valley regions.



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Stunting by County

Percent of children under age 5 who are stunted (too short for their age)

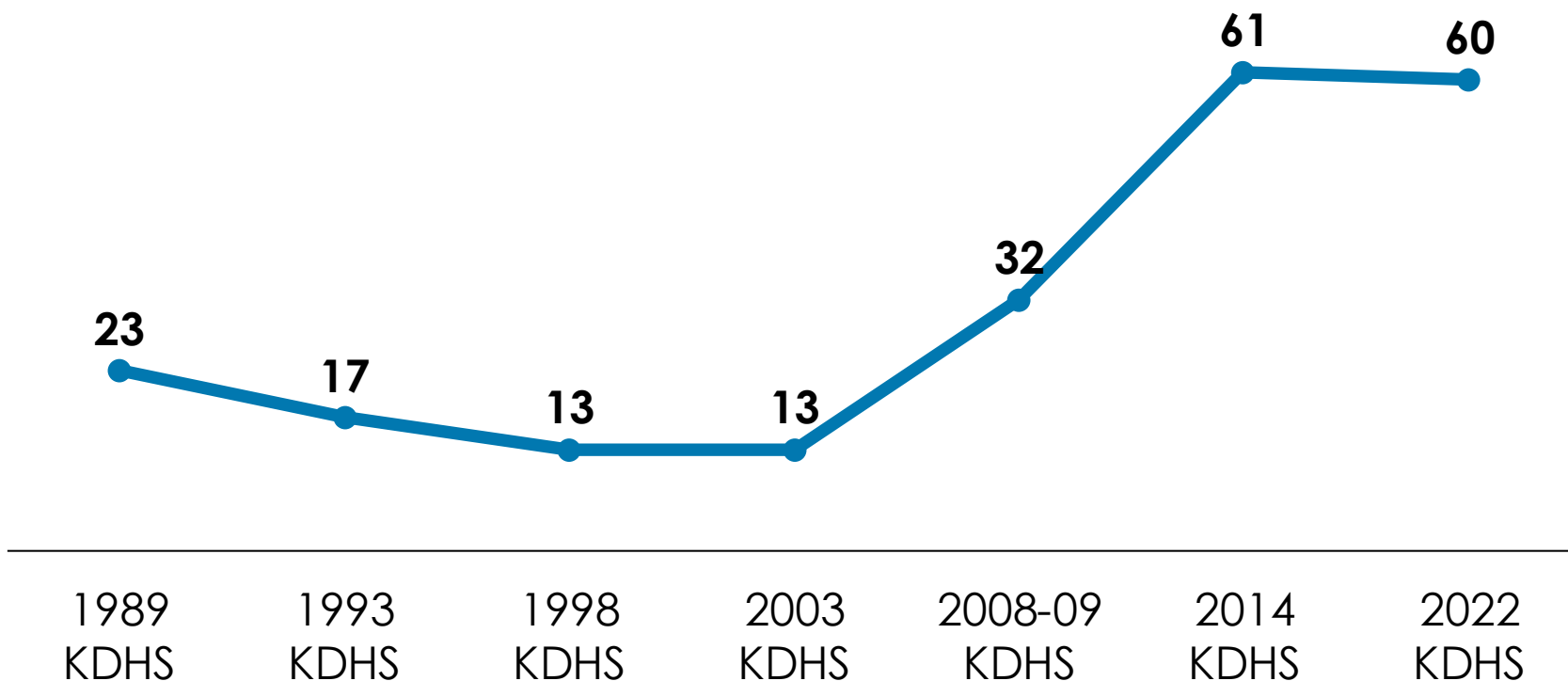


Kenya
18%



Trends in Exclusive Breastfeeding

Percent of children age 0-5 months who are exclusively breastfed



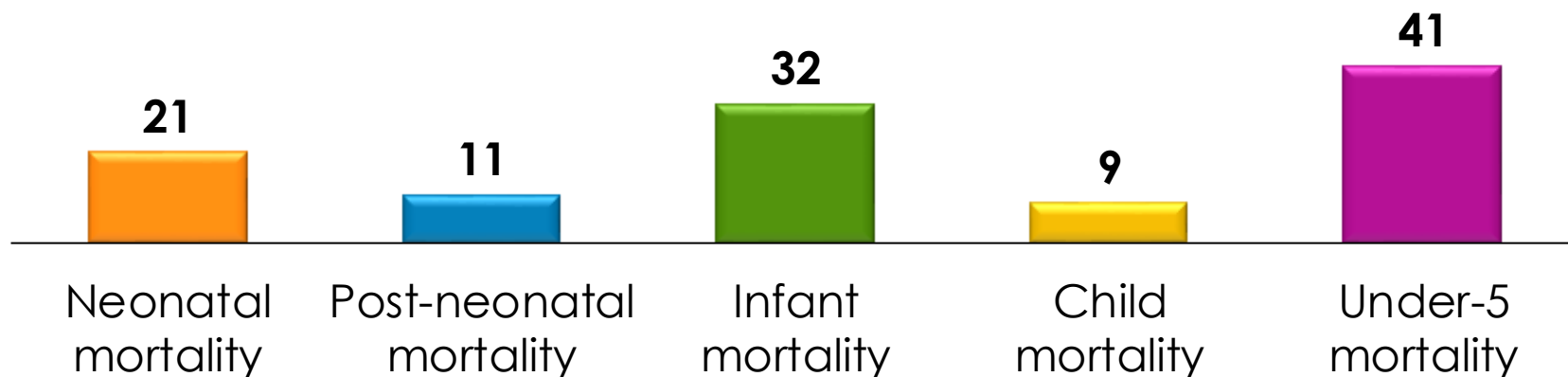
**Data from 2003 and later are nationally representative while data before 2003 exclude North Eastern region and several northern districts in the Eastern and Rift Valley regions.*



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Childhood Mortality Rates

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

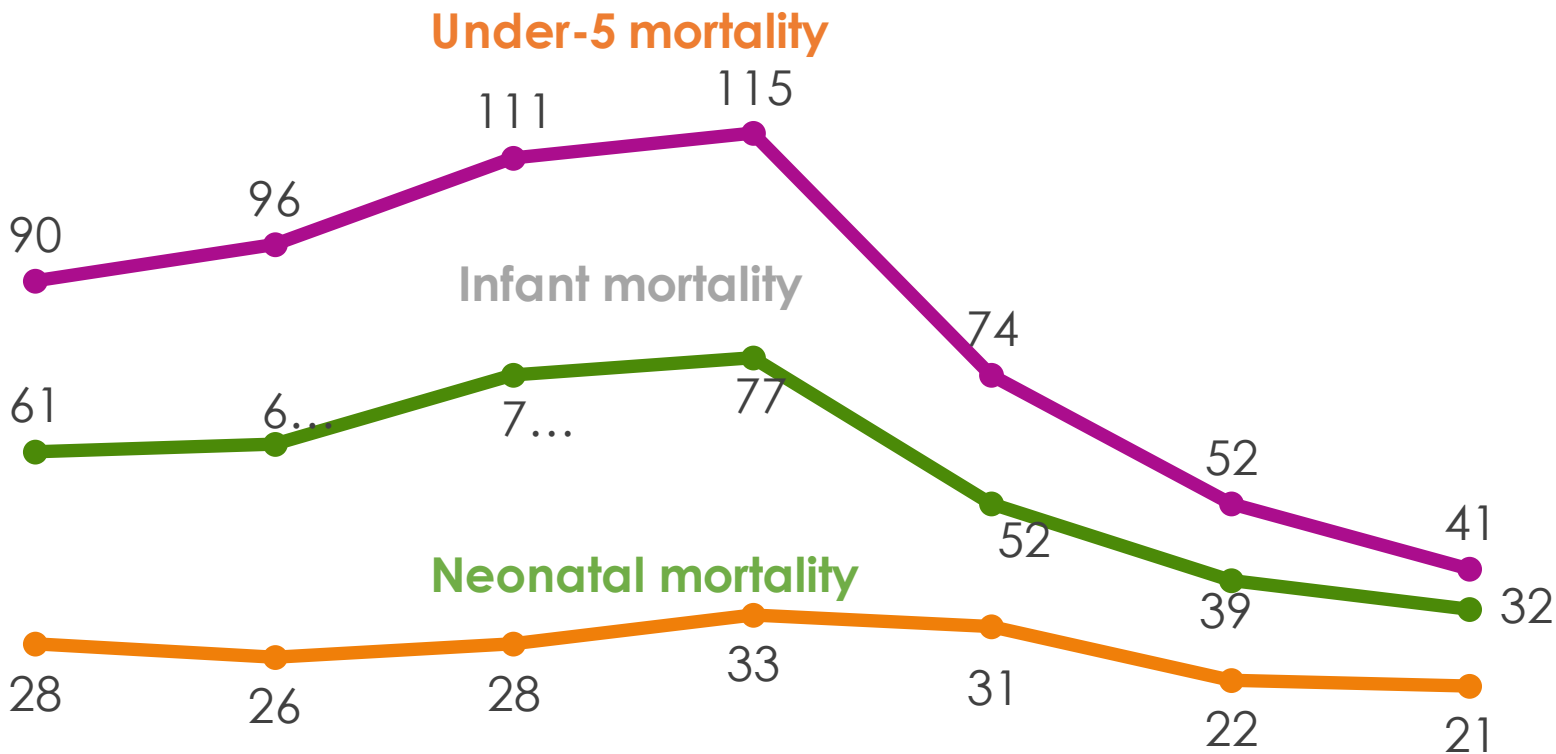




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Trends in Childhood Mortality

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



1989	1993	1998	2003	2008-09	2014	2022
KDHS	KDHS	KDHS	KDHS	KDHS	KDHS	KDHS

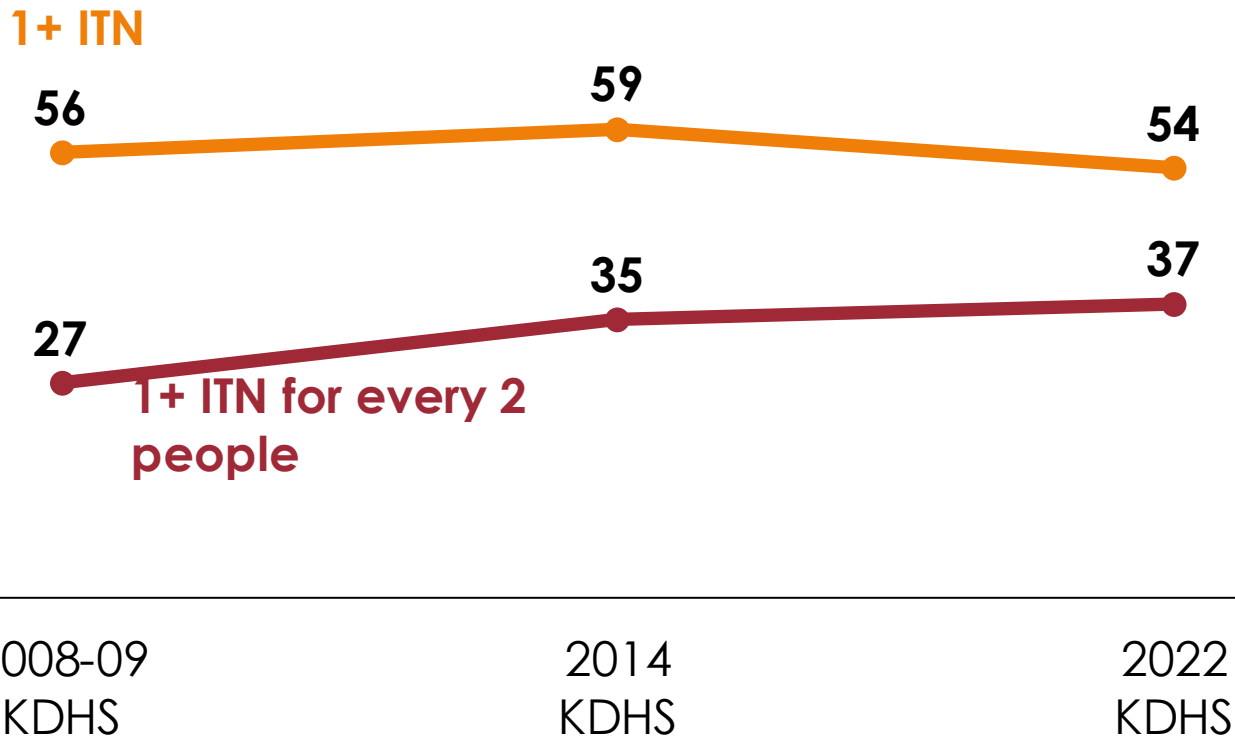
**Data from 2003 and later are nationally representative while data before 2003 exclude North Eastern region and several northern districts in the Eastern and Rift Valley regions.*



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Trends in ITN Ownership

Percent of households with at least one ITN and percent of households with at least one ITN for every two people in the household

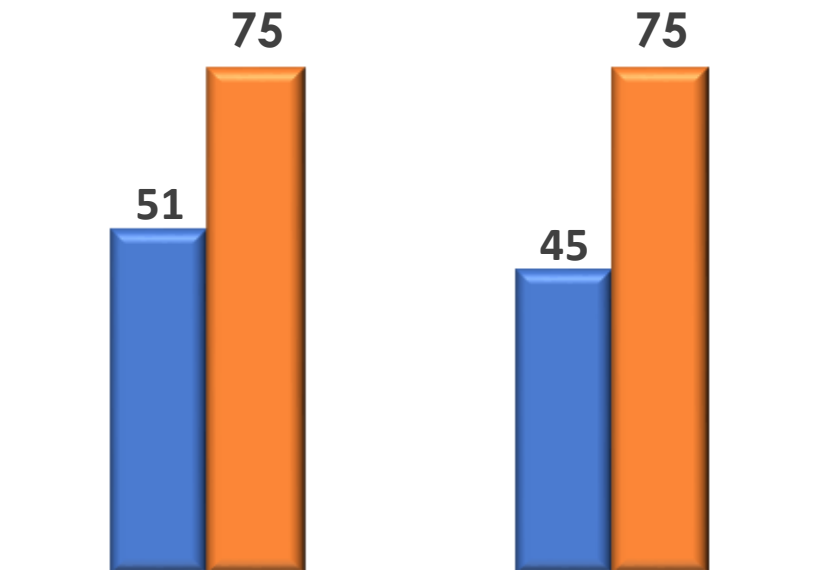




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Use of ITNs

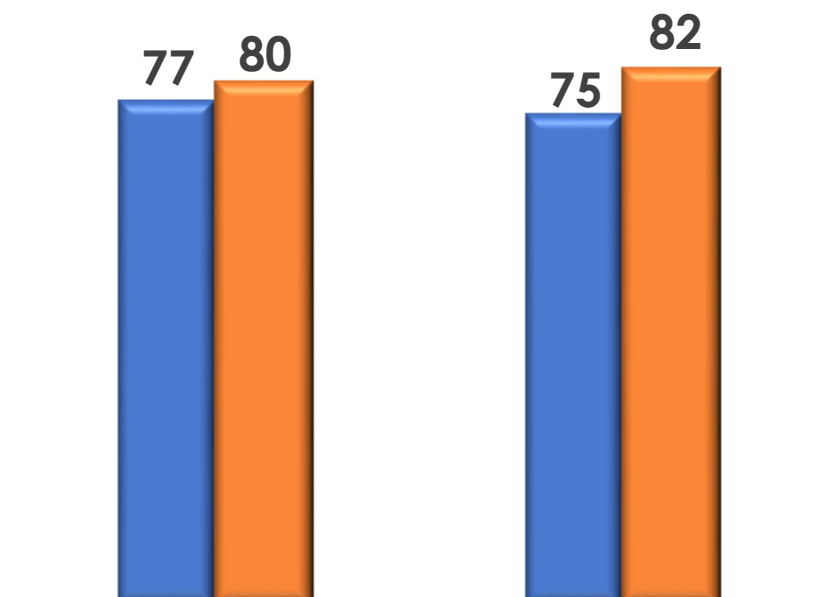
Percent who slept under an
ITN the night before the
survey among **all**
households



Children <5 Pregnant Women

■ National

Percent who slept under an
ITN the night before the
survey among **households**
with at least one ITN



Children <5 Pregnant Women

■ Lake Endemic Counties*

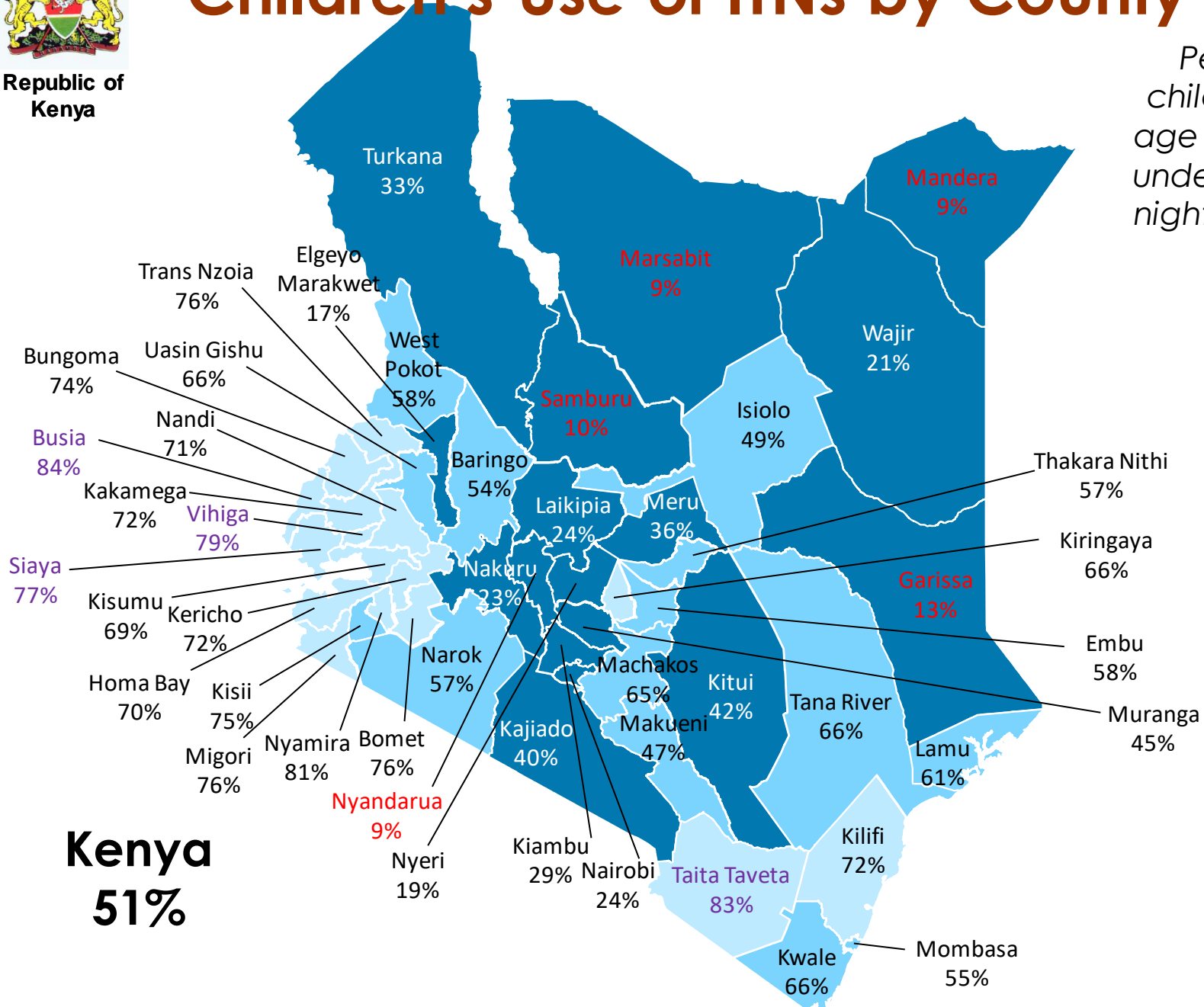
* Lake endemic counties account for ~70% of the malaria burden in Kenya



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Children's Use of ITNs by County

Percent of children under age 5 who slept under an ITN the night before the survey



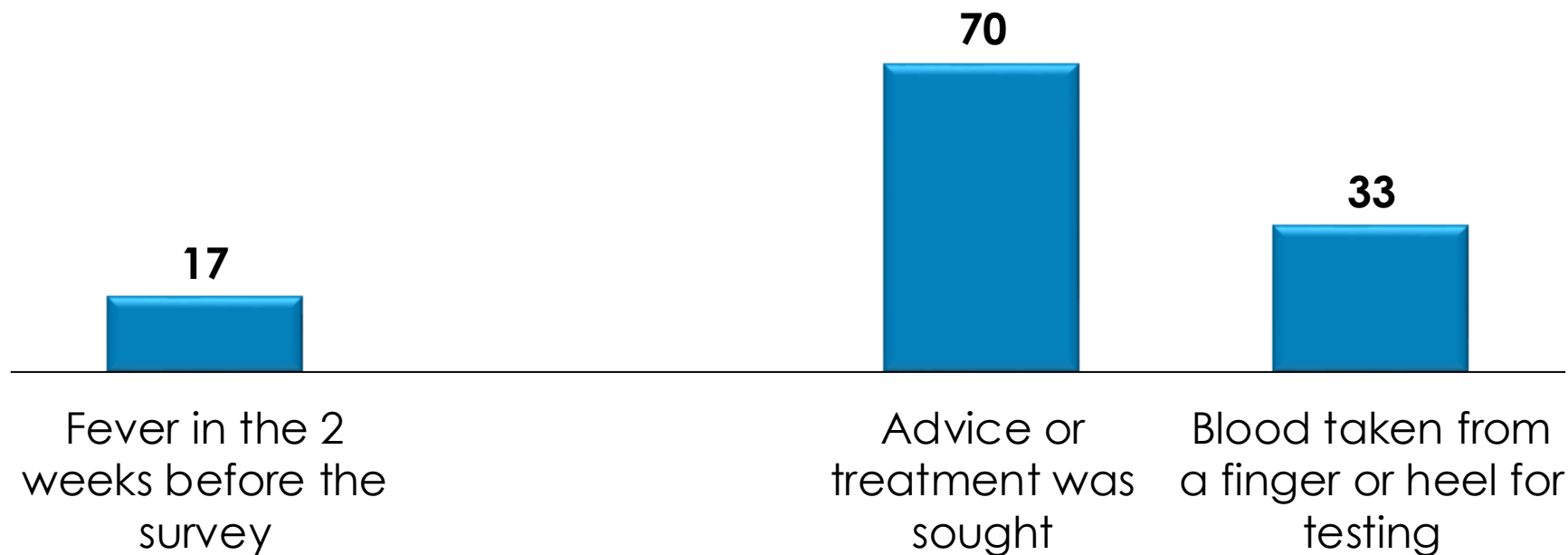


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Fever in Children

*Percent of
children under 5*

*Percent of children under 5 with
fever in the 2 weeks before the
survey*



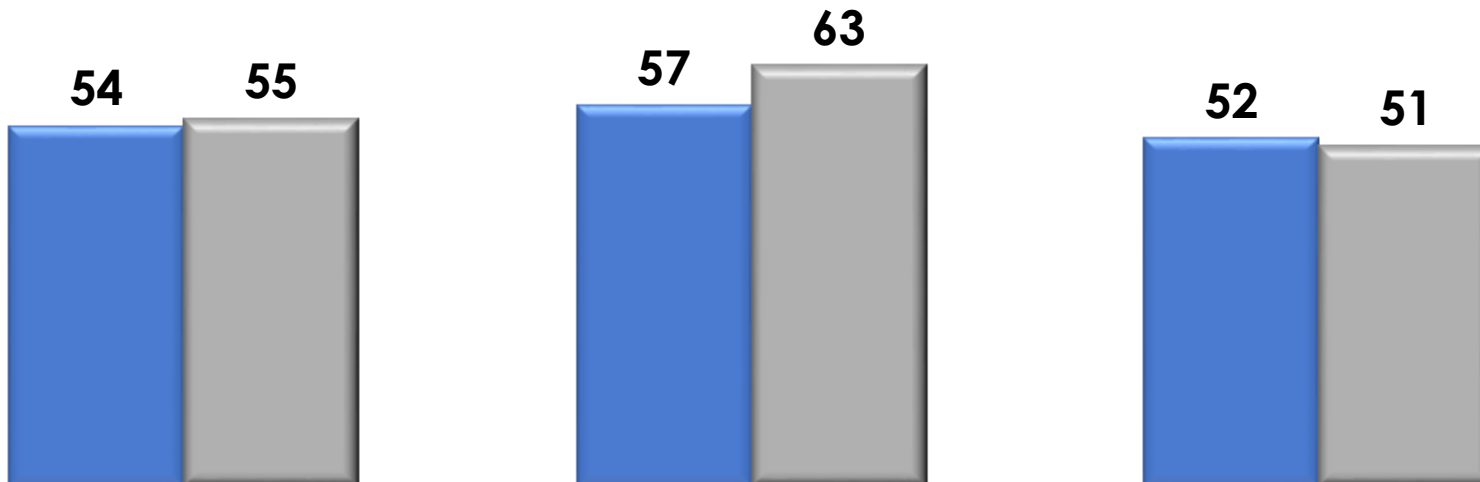


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Knowledge of HIV Prevention Methods Among Young People

Percent of young women and young men age 15-24 with knowledge about HIV prevention*

■ Women ■ Men



Total

Urban

Rural

*Knowledge about HIV prevention means knowing that consistent use of condoms during sexual intercourse and having just one uninfected faithful partner can reduce the chance of getting HIV, knowing that a healthy-looking person can have HIV, and rejecting two common misconceptions about transmission or prevention of HIV: HIV can be transmitted by mosquito bites and a person can become infected by sharing food with a person who has HIV.

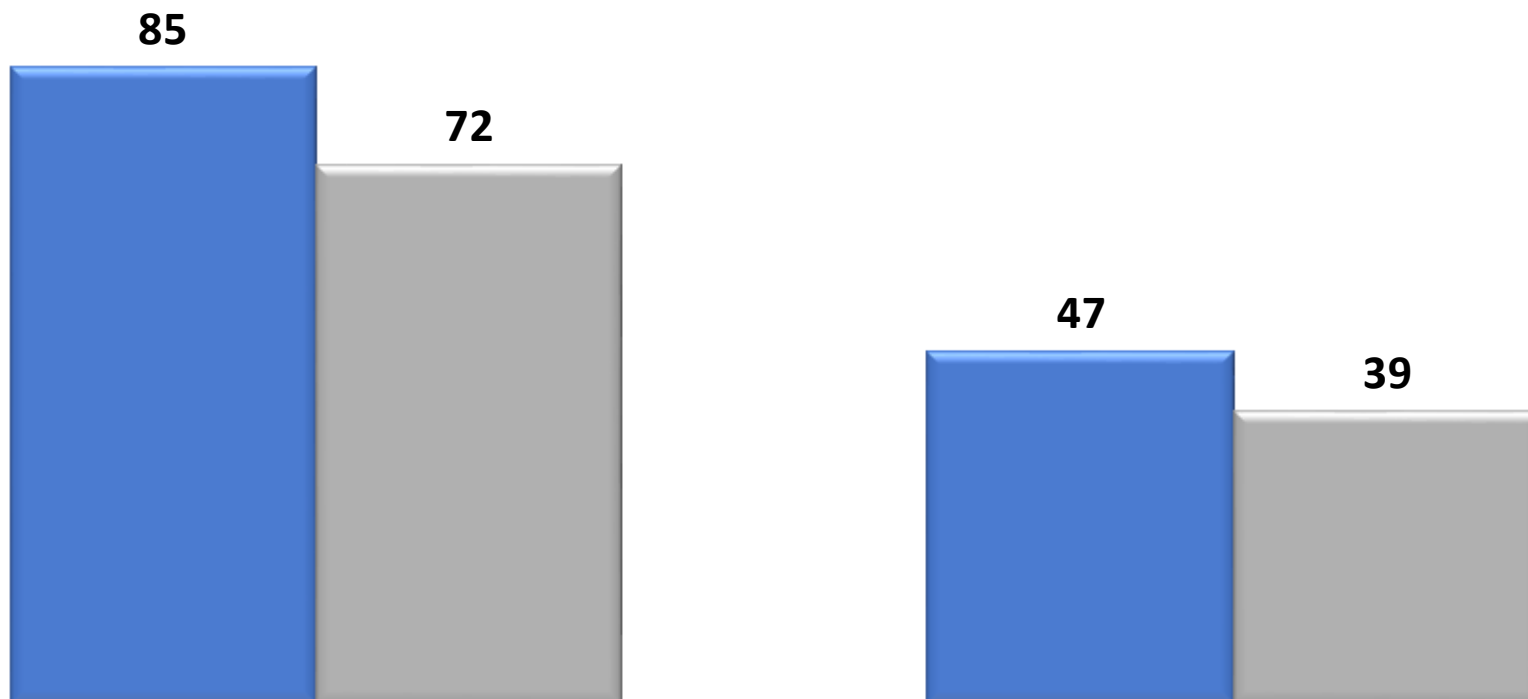


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HIV Testing

Percent of women and men age 15-49:

■ Women ■ Men



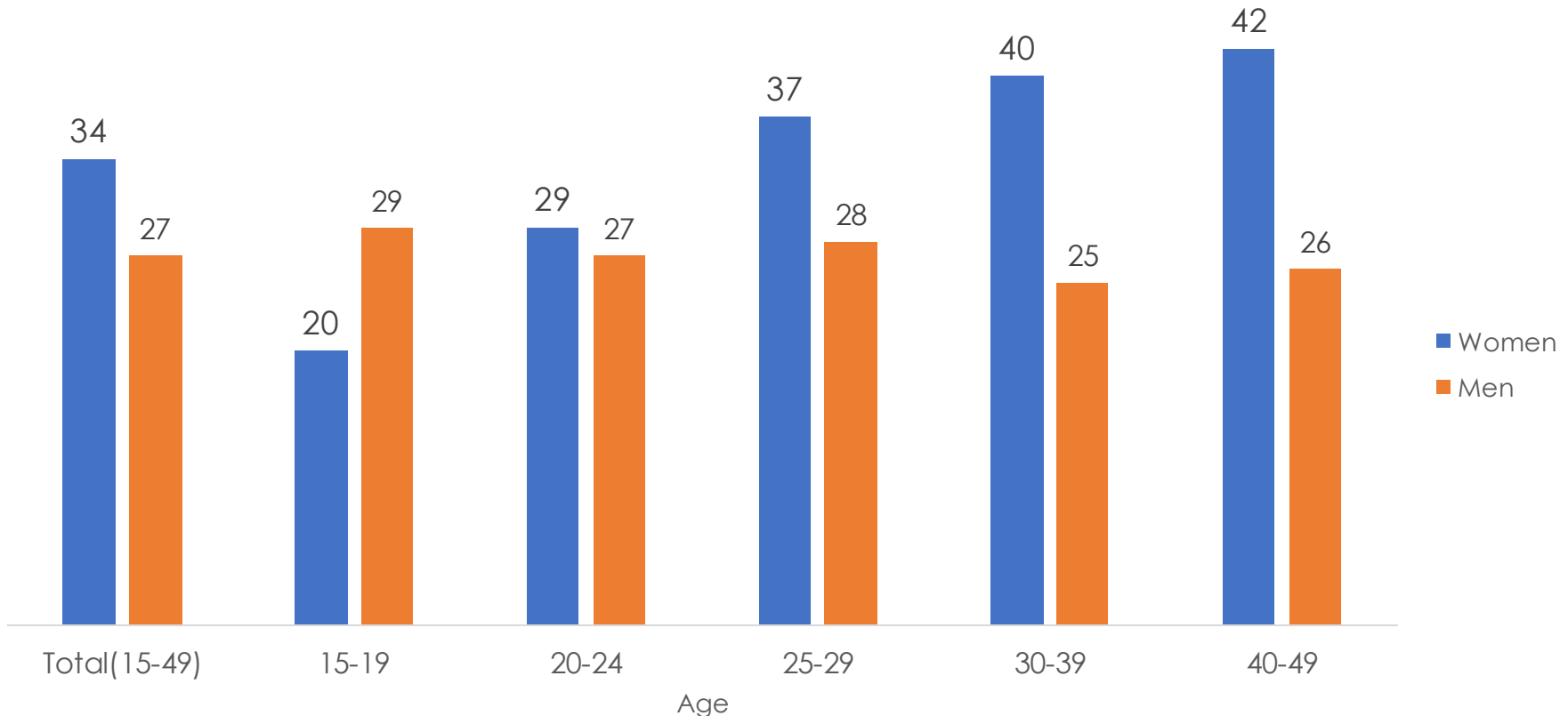
Ever tested and received results

Tested in last 12 months and received results



Experience of Physical Violence

Percentage who have experienced physical violence since age 15

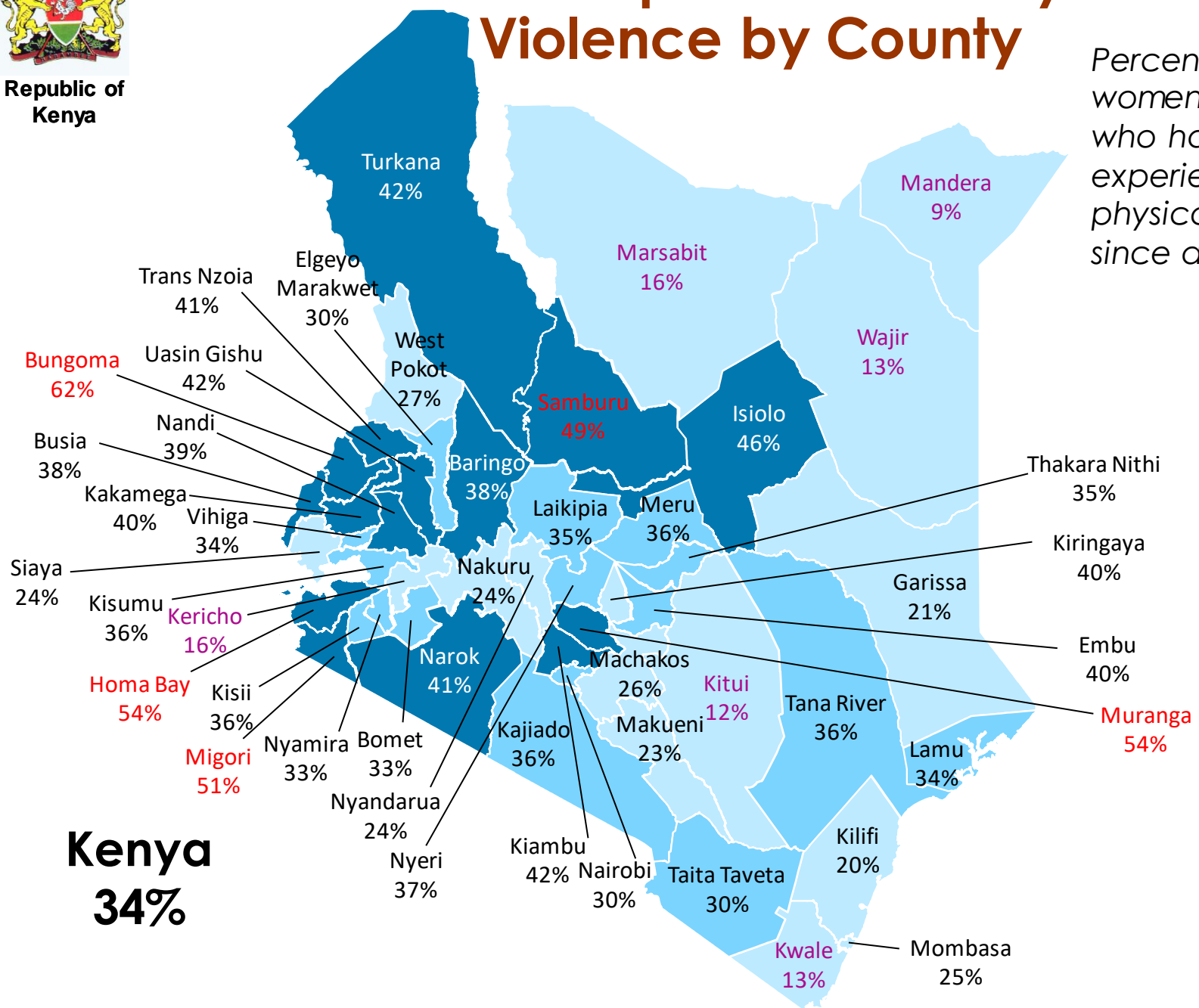




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Women's Experience of Physical Violence by County

Percent of women age 15-49 who have ever experienced physical violence since age 15

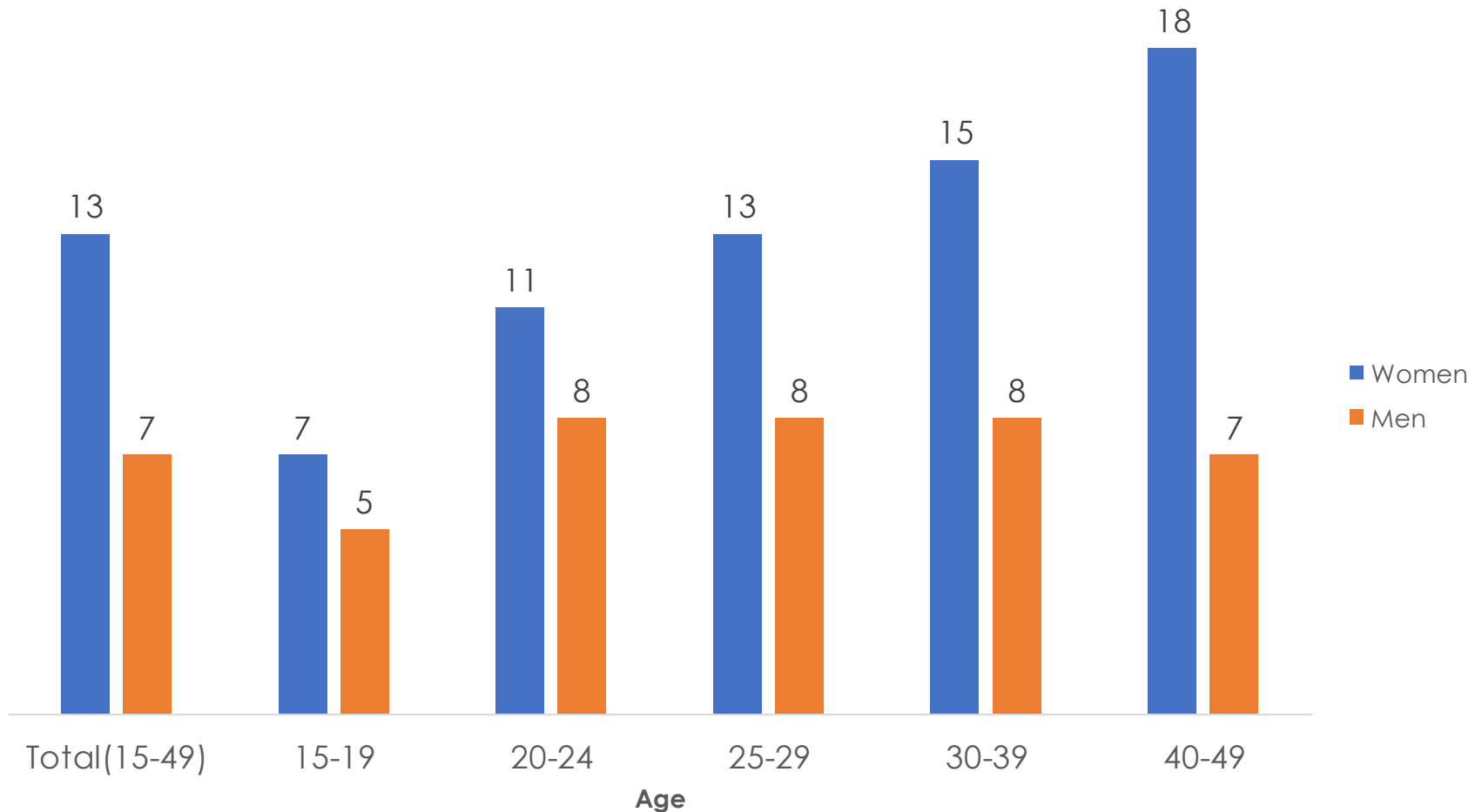




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Experience of Sexual Violence

Percentage who have ever experienced sexual violence

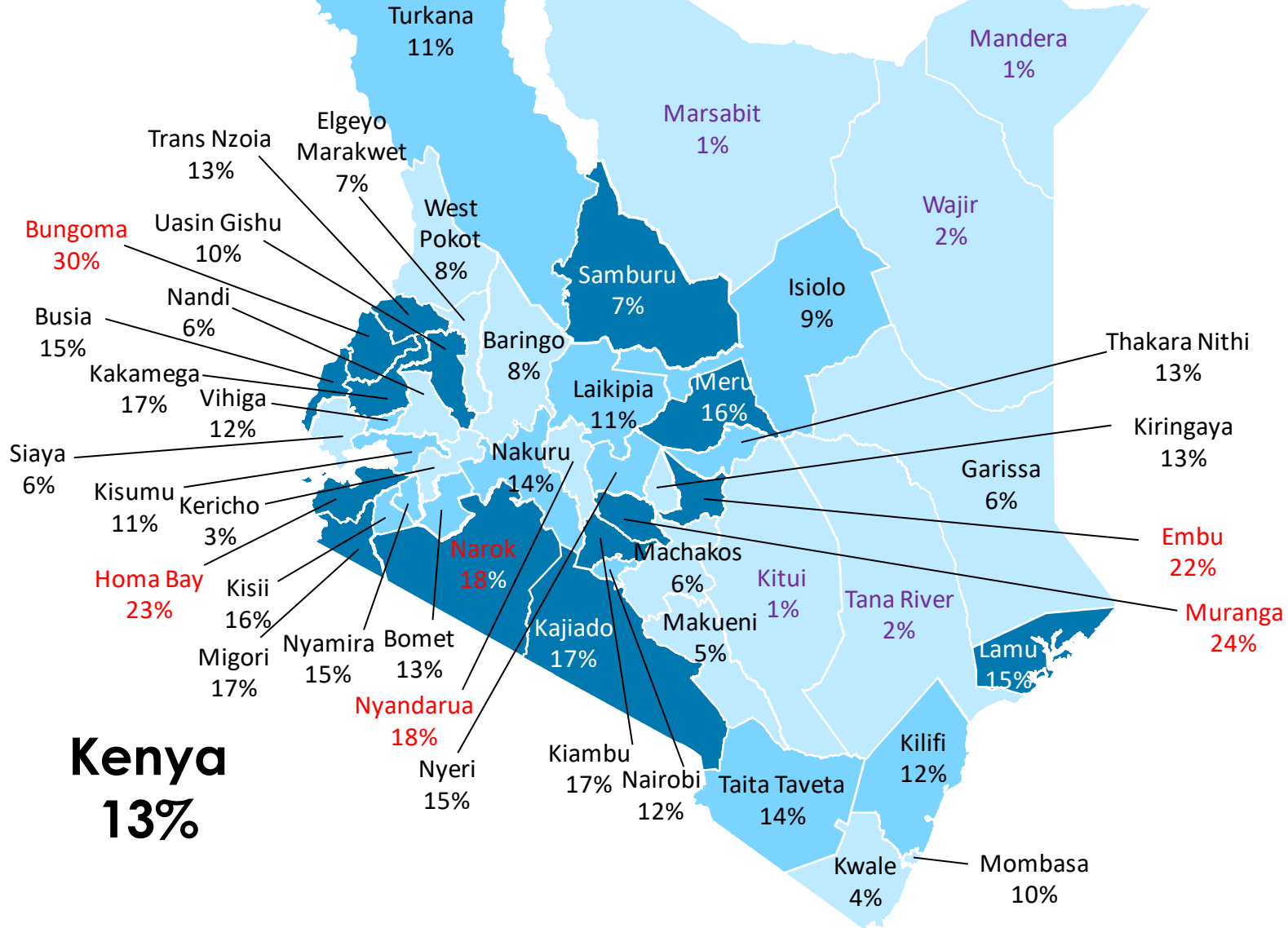




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Women's Experience of Sexual Violence by County

Percent of women age 15-49 who have ever experienced sexual violence

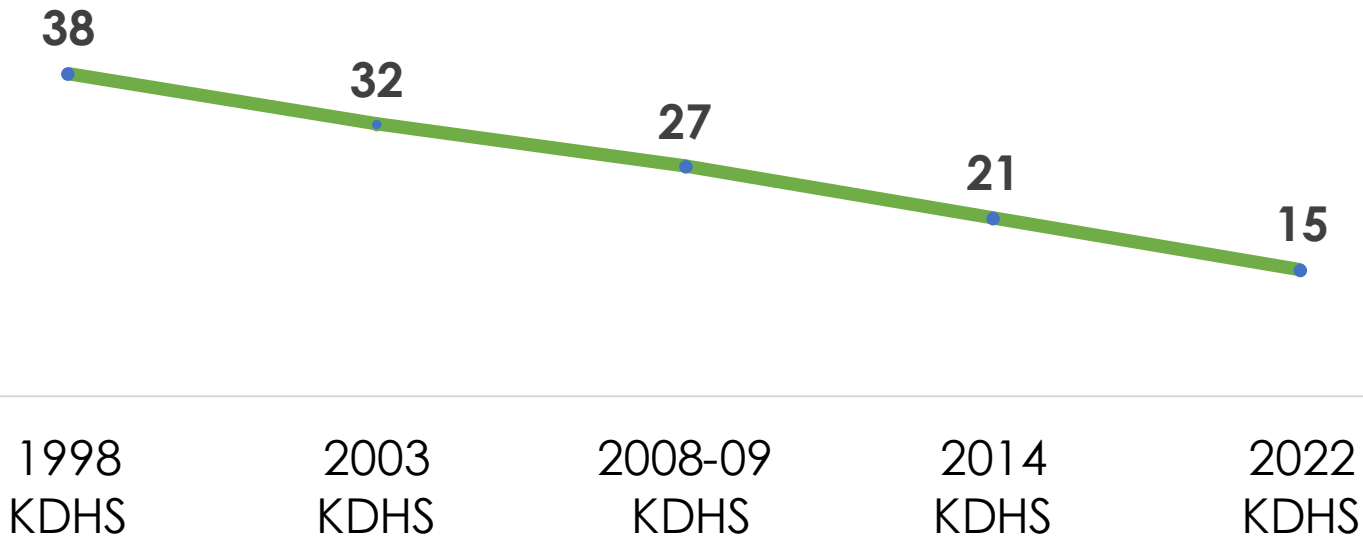




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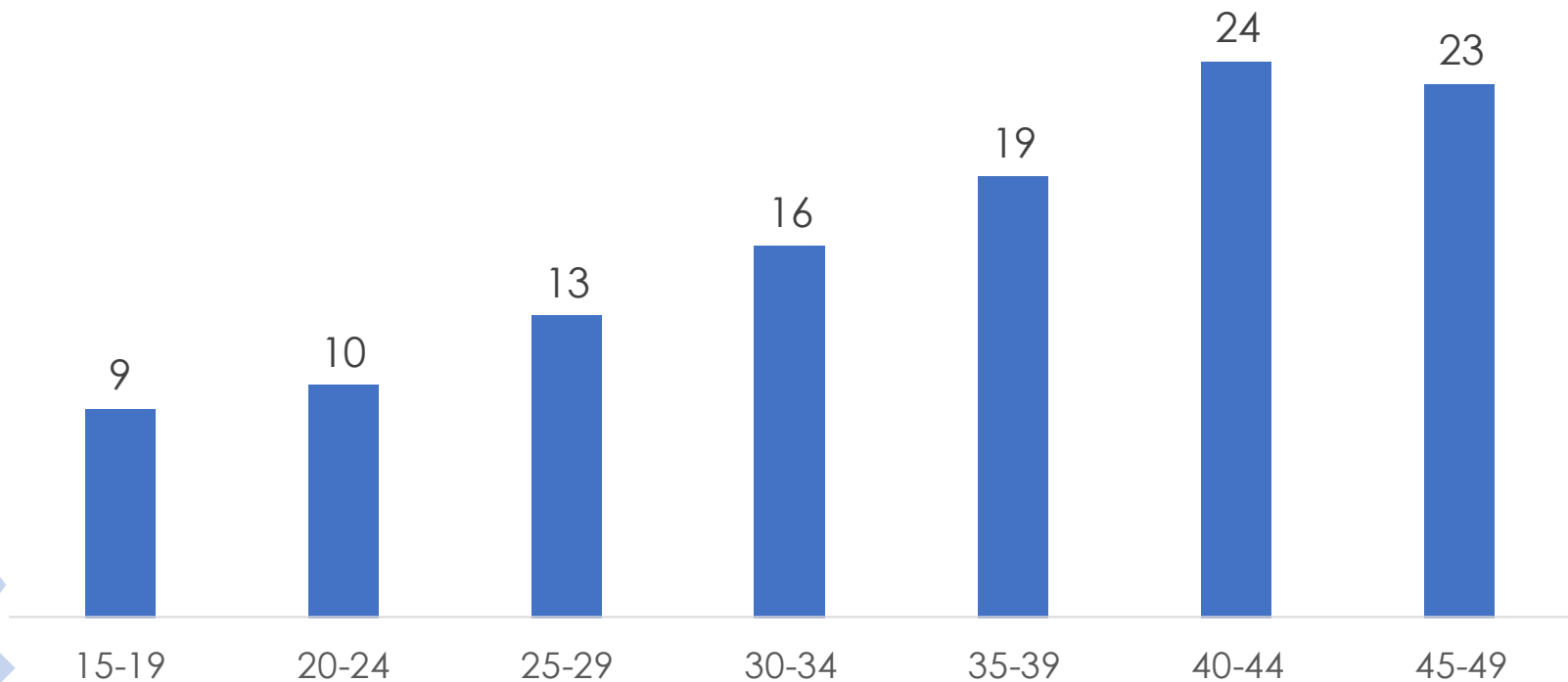
Trends in Female Genital Mutilation

Percent of women age 15-49



Prevalence of Female Circumcision

Percentage of women circumcised by Age Group



Key Findings

- The total fertility rate in Kenya is **3.4** children per woman.
- **57%** of married women age 15-49 use a modern method of family planning.
- **89%** of live births and stillbirths in the 2 years preceding the survey were delivered by a skilled provider.
- **80%** of children age 12-23 months are fully vaccinated (basic antigens).
- **18%** of children under 5 are stunted.
- Infant and under-5 mortality have declined to **32** and **41** deaths per 1,000 live births.
- **85%** of women and **72%** of men age 15-49 have ever been tested for HIV and received the results.
- **34%** of women age 15-49 have experienced physical violence since age 15 and **13%** have ever experienced sexual violence.
- **15%** of women age 15-49 have undergone female genital mutilation.

