KILITE-AWLAELO HDSS

ADOLESCENT FERTILITY ANALYSIS WORKSHOP

ACCRA GHANA, MAY, 02, 2016

BY: ALEMSGED A. (KA-HDSS)
Established in 2009 for 10 Kebelles;

as of march 2016; includes 4 kebelles from Wkro town.

Population: Monitors 64,575 population and 15,871 households

Currently includes 51,678 population and reaches 116,253 in 24,978 households.

Density: 150 /km²

Distance to Addiss Aaba: 812 kms

Economical activities: Faming

Fertility: 3.3 (2010-2014)

% 15-24 y who attend school: 88% girls; 92% boys (2010-2014)
SURVEILLANCE AREA

MU HDSS Study Site Map

Legend
- Blue: Rivers
- HDSS Study Woreda
- Road Network
- HDSS Study Tabia

Data Source: CSA, 2007
Projection: UTM Zone 37N
Datum: Adindan

1:1,500,000

8/31/2016 KA-HDSS
## DATA

### Required and optional data for Fertility Analysis

<table>
<thead>
<tr>
<th>Input</th>
<th>Required/Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>IndividualId</td>
<td>required</td>
</tr>
<tr>
<td>LocationId</td>
<td>required</td>
</tr>
<tr>
<td>HouseholdId</td>
<td>required</td>
</tr>
<tr>
<td>Compound</td>
<td>required</td>
</tr>
<tr>
<td>DoB</td>
<td>required</td>
</tr>
<tr>
<td>Sex</td>
<td>required</td>
</tr>
<tr>
<td>Date of Entry</td>
<td>required</td>
</tr>
<tr>
<td>Type of Entry</td>
<td>required</td>
</tr>
<tr>
<td>Date of Exit</td>
<td>required</td>
</tr>
<tr>
<td>Type of Exit</td>
<td>required</td>
</tr>
<tr>
<td>MotherID</td>
<td>required</td>
</tr>
</tbody>
</table>

**Marital status at Entry (for women)**: optional

**Parity at Entry (for women)**: optional

### BIRTH

- IndividualId: required
- Date of Birth: optional
- Rank: optional

### MARRIAGE

- IndividualId: required
- MarriageDate: optional
- MarriageType: optional
- Other usefull information: optional

### DIVORCE

- IndividualId: required
- DivorceDate: optional
- DivorceType: optional
- Other usefull information: optional

### WIDOW

- IndividualId: required
- WidowDate: optional
- WidowType: optional
- Other usefull information: optional

### OTHER

- IndividualId: required
- Level of education: optional
- Economical level of HH: optional
- Occupation of Head of HH: optional
- Education of Head of HH: optional
- Living arrangement: optional
- Other usefull information: optional

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8/31/2016

KA-HDSS
SOME OF THE FINDINGS

Population structure and distribution

✓ Shrinking population

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Population</th>
<th>Male Population</th>
<th>Female Population</th>
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</thead>
<tbody>
<tr>
<td>2002</td>
<td>66,615</td>
<td>32,253</td>
<td>34,362</td>
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<tr>
<td>2003</td>
<td>66,131</td>
<td>32,003</td>
<td>34,128</td>
</tr>
<tr>
<td>2004</td>
<td>64,986</td>
<td>31,366</td>
<td>33,620</td>
</tr>
<tr>
<td>2005</td>
<td>64,575</td>
<td>31,208</td>
<td>33,367</td>
</tr>
</tbody>
</table>

Male (%) | 48.4 | 48.4 | 48.3 | 48.3
Female (%) | 51.6 | 51.6 | 51.7 | 51.7
Figure - (A) Population pyramid of KA-HDSS at baseline (Meskerem 2002) and (B) at mid of 2005

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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>TFR</td>
<td>3.3</td>
<td>4.6</td>
<td>4.8</td>
</tr>
</tbody>
</table>

National Population policy target TFR=4.0 by 2015

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COMPARISON OF MATERNAL HEALTH CARE SERVICE UTILIZATION WITH EDHS - 2011

Antenatal care

Proportion (%)


73.8  50.1  42.6

Institutional delivery

35.3  11.6  10

Maternal health services
PATTERN OF ANC AND ID IN KA-HDSS

ANC service utilization

Institutional delivery

HSDP-IV targets (2015)

• ANC=90%
• ID=62%

• ANC coverage could be greater (~95% and above) as it is registered immediately after the data collectors identified the pregnancy and interviews are done once by then only.
SELECTED PUBLICATIONS


• Thank you for your attention.
IDEAS FOR ANALYSIS

- Trends in premarital fertility and contribution to the fertility decline
- Rural-urban circular migration as determinant of premarital fertility
- Link with mortality