ISIOLO COUNTY BASELINE ANALYSIS - KIRA

Introduction
This document is a baseline for humanitarian needs assessment in Isiolo with an aim to provide information that would aid in decision making. The information presented has been gathered through a review of pre-crisis secondary data and lessons learnt reports. Available indicator information is by Sub County, county and national (where there is no available district/county information). This desk review is to help in the process of inter-agency assessment planning for the ongoing event.

Purpose of the Desk review
This desk review is not a comprehensive survey on food security, livelihoods, WASH, protection e.t.c nor is it an inter-agency needs assessment. It is a process in which a secondary literature and data has been used to uncover any relevant information of use and guidance for the preparation of the in-crisis primary data collection

Demography of Population
- The population of Isiolo County is 0.37% of the Kenyan populations with 51% male and 49% female Table 1. The county has an annual population growth rate of 1.45% (1)
- Isiolo town has the largest urban population of 32% of the county's population, followed by Merti 5%, Kinna 3% and Garbatula 3% (1)
- The average household size is 4.5, which is 2.2% larger than the national average household size of 4.4. Table 1.
- Population of children under 5years is 16%, 52% are between 15-29 years of age and 5% are over 65 years (1)
- In 2011, the national birth rate per 1,000 was 37.6 and the annual population growth rate was 2.67% (2)
- Kenya has a Gender Index of 0.25% for 2012, and a Human Development Index score of 0.509 for 2011, placing it at 143 out of 187 countries (3)

<table>
<thead>
<tr>
<th>County</th>
<th># Households</th>
<th>Area in Sq.Km</th>
<th>Population Density</th>
<th>Male</th>
<th>Female</th>
<th>Total Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isiolo</td>
<td>31,326</td>
<td>397</td>
<td>360</td>
<td>73,694</td>
<td>69,600</td>
<td>143,294</td>
</tr>
<tr>
<td>Kenya</td>
<td>8,767,104</td>
<td>96,252.0</td>
<td>401.1</td>
<td>19,192,4</td>
<td>19,417,6</td>
<td>38,610,0</td>
</tr>
</tbody>
</table>

Table 1: Population statistics Isiolo (Source: KNBS 2012 1 Source 2009 Census 2)

Area Profile

Geography, climate and economy
- Isiolo borders marsabit to the North, Samburu to west, Mandera, Wajir and Garissa to East, Tana River, Meru and Laikipia to South (4)
- The county has mean annual average temperatures between 12°C to 28°C. Rainfall ranges from an average of 150mm to 650mm per annum

Socio-cultural characteristics
- The county comprises of the following ethnic key communities Borana, Samburu, Turkana, Somali and Meru (4)

Telecommunication
- The county has about 8% mobile network coverage with about 164 telephone connections (5)

Hazards and Historic Sources of Conflict

Shocks and Hazards
- The county was rated as 2nd high conflict risk area just after Marsabit on (4)

1. [http://knbs.or.ke/countydata.php](http://knbs.or.ke/countydata.php)
2. 2009 Census Volume 1 Population HHs by sub location
Re-occurrant clan conflicts over natural resources between the Turkana and Borana (4).
- Low productivity of land (5)
- Livestock and human disease epidemics (5)
- Common cattle rustling activities usually between the Borana and Samburu and occasional reported incidences against Somalis.

**Health and Nutrition**

**Health**
- The county has 2 level 4 health facility and 34 level one facilities (5)
- 77.8% fully immunized (less than 1 year) population is above the national immunized population of 64.0% (1)
- Most health facilities lack adequate personnel (5) where by in every first outpatient visit 50% are found to have malaria while TB infection is 51% of every 10,000 people see Table 2
- Only 28% deliveries are in health centers see Table 2
- The county’s population of those that have had all vaccination is 72.2% see Table 2

**Morbidity and mortality**
- Common prevalent diseases in the county include Malaria, diarrhoea majorly associated with contaminated water and respiratory diseases (5)
- Infant Mortality rate is estimated at 43 on every 1000 while the under 5 mortality rate is estimated 56 per 1000 live births (6)

**Nutrition**
- The prevalence of wasting of children is estimated at 3% while the stunting is at 18.6% (5)
- One in every 4 children (estimated at 22%) aged 6-59 months are underweight (6)
- 15% of the children have stunted growth while 12% are wasted (6)
- Exclusive breastfeeding for children at age of 0-5 months is only done for 19% of the children and nearly 53% of the children experience timely breastfeeding (6)

**WASH**

**Access to water**
- 3 in every 5 households estimated at 59% are using drinking water from improved water sources and only 12% are treating drinking water.
water using improved methods, 8% reported not to be treating water irrespective of the water source (6)

- 40% of population with no access to improved water sources gets water from surface water sources (6).

- Its takes 15% of households less than 15 minutes to water sources and back, 8% of the households spend 15-30 minutes while 13% spend 30-60 minutes and the remaining 32% spend over 1 hour. The average time to water sources and back is estimated at 98 minutes

- Adult women (61%) are the majority involved in water collection with few cases of adult man and children under 15 years (6)

- The average distance to the nearest water source is 5KMs and 93% of the population lack access to safe and clean water (5)

### Table 3: Access to improved water and sanitation by County (CRA, 2011)

<table>
<thead>
<tr>
<th></th>
<th>Isiolo</th>
<th>Kenya*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Improved water (% households 2009)</td>
<td>84.6 (4)</td>
<td>66.5</td>
</tr>
<tr>
<td>Improved sanitation (% households 2009)</td>
<td>55.7 (38)</td>
<td>87.8</td>
</tr>
</tbody>
</table>

Figures shown are percentage of population, figure in brackets indicates the rank compared across all 47 counties. * indicates Kenya county average

### Access to sanitation and hygiene

- out of 5 households estimated at 41% are using improved sanitation facilities (6)
- About 47% of households have no facilities for excreta disposal and therefore they use bush or fields (6)
- Majority of households with toilets flush into sewer systems or septic tank (6)
- Open defecation and disposal of children feaces is still practiced 85% of the households have pit latrines while 56% of the pit latrines are un covered (5)

### Child Protection

- One out of 5 children under 5 (19%) have their births registered (6)
- It was noted on (6) that about 9% of children aged 5-14 years engage on child labour. About 72% of children received some form of psychological or physical punishment one month prior to the survey.
- 14% of children under age of 18 years are orphans and 11% of them are vulnerable. Those living without biological parents at 18 years and below are 11% (6)

### Education

- There is good transition from ECD to primary school as there are no drop outs. The dropout rate in primary schools is 1% whereas there are no dropouts in secondary schools (5)
- 74% of pupils in primary walk/travel for over 5KMs to school, there is a high numbers (83%) in secondary schools walking the same distance to school (5)
- The school enrollment rate is at 60% with the most being male 52% while female enrollment is at 33% (5)
- The ratio of teacher to pupil is 1:38 in primary public schools and 1:26 in secondary public schools (1)
- The primary school net attendance rate was at 66% while the secondary school net attendance ratio was only 11% according to (6)
- There is a high population with primary education than secondary education and only 59.8% can read and write see Table 4

### Table 4

<table>
<thead>
<tr>
<th></th>
<th>Isiolo</th>
<th>Kenya</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population with primary education (%)</td>
<td>65.7 (31)</td>
<td>66.6</td>
</tr>
<tr>
<td>Population with secondary education (%)</td>
<td>9.7 (36)</td>
<td>12.7</td>
</tr>
<tr>
<td>Can read &amp; write</td>
<td>59.8 (33)</td>
<td>66.4</td>
</tr>
</tbody>
</table>
Table 4: County Education coverage (CRA, 2011)
Figures shown are percentage of population, figure in brackets indicates the rank compared across all 47 counties. * indicates Kenya county average

| Attending School, 15-18 years | 58.4 (39) | 70.9 |

Existing Partners

<table>
<thead>
<tr>
<th>WHO</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACF</td>
</tr>
<tr>
<td>Action Aid</td>
</tr>
<tr>
<td>Mid-P</td>
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<tr>
<td>KRCS</td>
</tr>
<tr>
<td>African Muslim Agency</td>
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<tr>
<td>Alfalah</td>
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<tr>
<td>Catholic Development Office</td>
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<tr>
<td>UNICEF</td>
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<tr>
<td>World Vision</td>
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<tr>
<td>Food for the Hungry</td>
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<tr>
<td>CCK</td>
</tr>
</tbody>
</table>

Table 5: GoK, INGO, NGO and Partners working in Isiolo, Source: Isiolo County Integrated development plan

Useful Links and Maps


Methodology – This desk review presents estimations of scale and severity. It aims to inform decision making for preparedness and emergency response and intents to complement and integrate assessment-related data from agencies. Feedback to improve the SDR is welcome (ondiek@un.org).

Disclaimer – Information provided is provisional as it has not been possible to independently verify all reports. As this report covers highly dynamic subject, utility of the information may decrease with time.