



**JICA Study on  
Refugee Hosting Communities  
in the West Nile Sub-Region:  
Situation Assessment and Needs Identification**

**Findings and Priority Projects**

**- Excerpt for Health Sector -**

**27 February 2018**

# 1. Backgrounds & Objective

Uganda's long history in receiving refugees



1998: Self-Reliance Strategy (SRS)

2004: Development Assistance to Refugee-Hosting Areas (DAR)

2006: Refugees Act

2010: Refugees Regulation

■ **National Development Plan (NDP) II (2015/16 – 2019/20)**



**Settlement Transformation Agenda (STA)  
2016 – 2021**

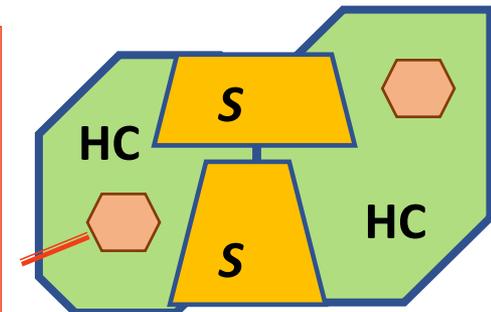
*Comprehensive Refugee Response Framework (CRRF)  
Uganda*

## ■ Objective:

- (1) To assess the **situations in both refugee settlements (S) and host communities (HC) in West Nile** with respect to (i) social infrastructures in the sectors of **roads & small-scale bridges, education, health, and water & sanitation (WASH)** and (ii) social structures and relationships.
- (2) To specify **priority needs** in the 4 sectors that require urgent attention with a view to easing burdens on the host communities.
- (3) To identify and formulate **priority projects** in the 4 sectors for consideration by the government, JICA/GoJ and partners.

- **Target Area: 5 Districts of the West Nile Sub-Region (Adjumani, Arua, Koboko, Moyo and Yumbe),** where refugee settlements are located and their presence, particularly as a result of the massive inflows of South Sudanese since 2016, has been affecting local communities and public service delivery.

To respond to stress in HC through **assessment of both HC & S**



## 2. Workflow

		2017						2018					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.		
1	Literature review & planning in Japan	█											
2	Defining study approach & methodology	█	█										
3	Initial meetings with OPM, UNHCR, Districts, etc.	█	█										
4	Identification of Sub-Counties & Parishes hosting refugee zones/settlements	█	█	█									
5	Creating maps of LG & zone/settlement boundaries (incl. survey in Adjumani)	█	█	█									
6	Sector data collection, interviews with Districts, UNHCR & partners and field surveys	█	█	█	█	█	█						
7	Social survey		█	█	█						█	█	█
8	Sector data analysis and needs assessment		▲	█	█	█							
9	Creation of GIS layered maps for sector assessment		█	█	█	█							
10	<b>Interim results sharing</b> (Arua workshop & OPM-chaired meeting)					▲	▲						
11	Identification of priority projects --> <b>draft Project Profiles</b>					█	█	█					
12	Discussion of priority projects with sector Ministries							█					
13	<b>Finalization of Project Profiles</b>								█				
14	<b>Consolidating of study findings &amp; sharing</b> (OPM-chaired meeting, donors' meeting & visits to the Districts)									▲	▲	▲	
15	Reports (interim and final)												▲
<i>Experts from Japan in Uganda</i>		█	█		█	█	█		█	█	█		
<i>National Consultants</i>		█	█	█	█	█	█	█	█	█	█	█	█

### Sector assessment

- stress on existing facilities (H, E, W)
- stress & regional connectivity (RB)

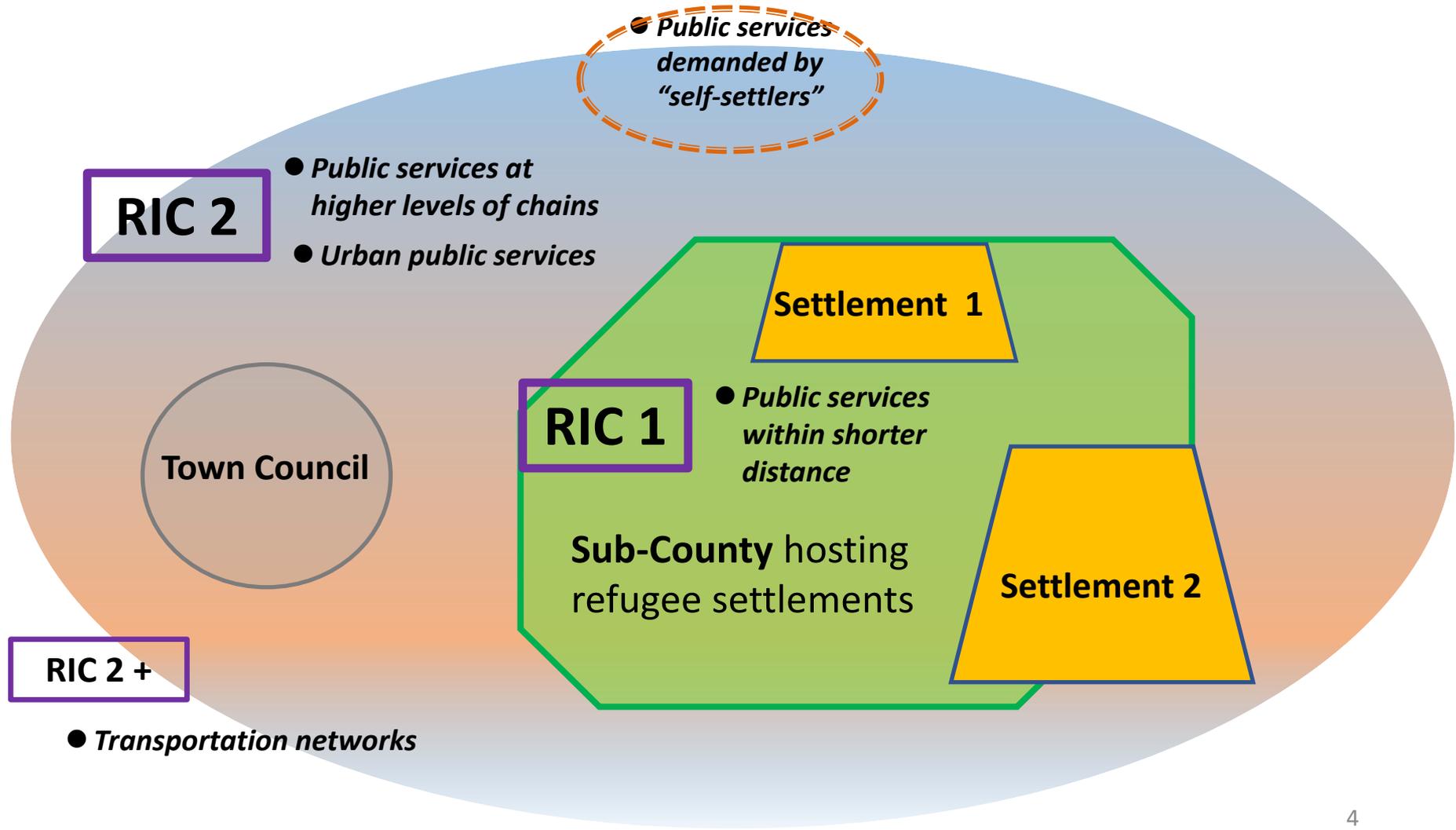


### Priority projects

- Sector assessment results -> priority needs
- Avoiding duplications with on-going/planned projects
- Contract sizes
- Contractor's mobility

### 3. Approach of the Study

➔ Conceptually categorizing “host communities” as “**Refugee Impact Catchments**” (“**RIC**”) in accordance with geography and the nature of different types public services



## Refugee Impact Catchment (RIC)

Sectors	RIC 1 (Sub-Counties adjacent to the Zones/Settlements)	RIC 2 (Other intra and inter-District areas)	RIC 2 +
WASH	<ul style="list-style-type: none"> <li>Rural water supply</li> <li>Sanitation &amp; hygiene</li> </ul>	<ul style="list-style-type: none"> <li>Urban water supply incl. water treatment plants</li> <li>Sewerage</li> </ul>	Urban public services
Health	<ul style="list-style-type: none"> <li>HC II, HC III</li> <li>HC IV</li> </ul>	<ul style="list-style-type: none"> <li>General hospitals (GH)</li> <li>Regional referral hospitals (RRH)</li> <li>Medical/health staff training institutes</li> </ul>	
Education	<ul style="list-style-type: none"> <li>Early childhood &amp; special education</li> <li>Primary education</li> <li>Secondary education</li> <li>Vocational schools</li> </ul>	<ul style="list-style-type: none"> <li>Teacher training institutes</li> </ul>	
Roads/ Small-scale bridges	<ul style="list-style-type: none"> <li>Community Access Roads &amp; Small-Scale Bridges</li> </ul>	<ul style="list-style-type: none"> <li>District Roads &amp; Small Scale Bridges</li> <li>National Roads &amp; Bridges</li> </ul>	

Public services expected to be available **within short distance** (in the Village/Parish/Sub-County and County with respect to HC4)

Public services at **higher levels of chains**, requiring a broader geographical perspective for planning & provision

Impacts in urban centers are created by both registered refugees (who seek job opportunities) and "self-settlers." "Self-settlers" impact border areas (particularly in Koboko and Moyo), too.

### 3. Approach of the Study (cont'd)



**The scope of the study, taking account of time & data availability.**

Sectors	RIC 1 (Sub-Counties hosting Zones/Settlements)	RIC 2 (Other intra and inter- District areas)	RIC 2 +
Health	<ul style="list-style-type: none"> <li>HC II, HC III, HC IV</li> </ul>		
Education	<ul style="list-style-type: none"> <li>Primary education</li> <li>Secondary education</li> </ul>		
Water	<ul style="list-style-type: none"> <li>Rural water supply</li> </ul>		
Roads/ Small- scale bridges	<ul style="list-style-type: none"> <li>Community access roads &amp; bridges</li> <li>District roads &amp; bridges</li> <li>National roads &amp; bridges</li> </ul>		

**Cf. Public service national standards**

- **HC III:** per 20,000 persons (Sub-County)
- **HC IV:** per 100,000 persons (County)
- **Primary School:** up to 3 km (tolerable distance up to 5 km), 53 pupils/classroom
- **Secondary School:** adequate distance up to 5 km, 40 students per teacher
- **Borehole, shallow well, protected spring:** maximum walking distance 1 km

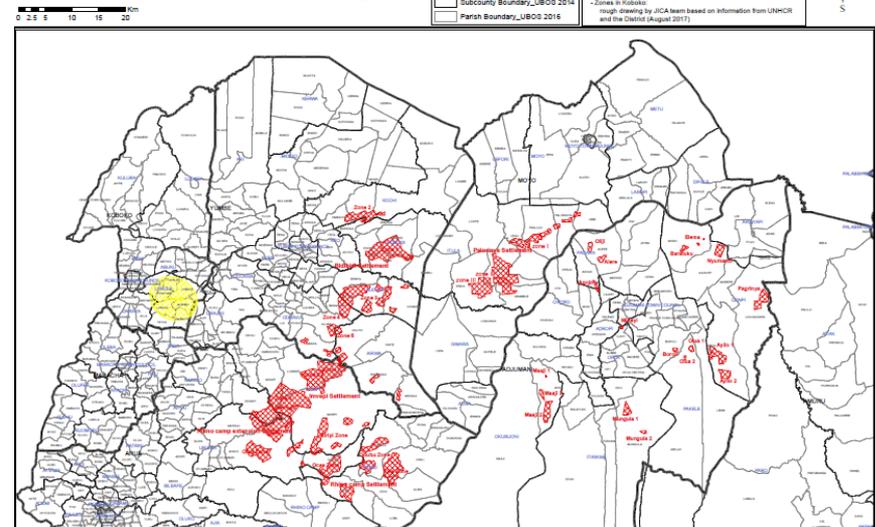
# 4. Fact Finding

## 4.1. Settlements and Host Communities

### (1) Maps of local government/administrative boundaries and settlements

- Absence of maps consolidating both LG & administrative boundaries and settlements locations.
- Absence of settlement maps for Adjumani.

Districts, Sub-Countries, Parishes and Regueee Settlements in West Nile



The Study Team with UNHCR's help & advice:

- Produced a map of the 5 Districts with LG & administrative boundaries (as per UBOS), superimposing refugee zone/settlement maps.
- Used the map with additional data to support identification of priority projects.



Example of a hand-drawn map (Baratuku, Elema and Nyumanzi Settlements)

Rapid survey to create Adjumani settlement maps	
Step 1	● Interview with the Settlement Commandant Office with a base map.
Step 2	● Field survey ● GPS coordinate recording of corner points of each Settlement ● Hand drawing on the map
Step 3	● Verification through Google Map and adjustments
Step 4	● Reflecting the coordinates on the base map

**Note:** The locations of these settlements on the map are an estimate and require a further survey for accuracy.

#### 4.1. Settlements and Host Communities (cont'd)



Sources: OPM (RDOs and Settlement Commandants)  
UNHCR and Districts (as of August 2017)

### (2) Districts, Sub-Counties, Parishes and Settlements

District	Zone/Settlement (Refugee Residing Area)	Year of establishment	Sub-County	Parish
Adjumani	<ul style="list-style-type: none"> <li>18 Settlements:</li> </ul> Nyumanzi, Elema, Baratuku, Pagrinya, Ayilo 1 & 2, Olua 1 & 2, Boroli, Mungula 1 & 2, Maaji 1, 2 & 3, Mirieyi, Agojo, Alere, Olijj	1987 - 2016	<b>7 Sub-Counties:</b> Dzaipi, Pakele, Itirikwa, Ukucijoni, Ofua, Ciforo, Pachara	<b>12 Parishes:</b> Ajugobi, Miniki, Logoangwa, Lewa, Boroli, melijo, Mungula, Ayiri, Iliny, Agojo, Alere
Arua	<ul style="list-style-type: none"> <li>Rhino Camp (7 Zones)</li> <li>Imvepi (3 Zones)</li> </ul>	1993 - 2017	<b>4 Sub-Counties:</b> Odupi, Uriama, Rigbo, Omugo	<b>9 Parishes:</b> Azapi, Lugbari, Imvepi, Akinio, Katiku, Ocea, Odobu, Kwili, Ndaapi
Koboko	<ul style="list-style-type: none"> <li>Lobule</li> </ul>	2013-2014	<b>One Sub-County:</b> Lobule	<b>4 Parishes:</b> Ajipala, Aliribu, Ponyura, Tukuliri
Moyo	<ul style="list-style-type: none"> <li>Palorinya (4 Zones)</li> </ul>	2016-2017	<b>One Sub-County:</b> Itula <i>(Another SC currently under consideration)</i>	<b>8 Parishes:</b> Ubbi, Palorinya, Yenga, Kali, Paalujo, Legu, Waka, Demgbele
Yumbe	<ul style="list-style-type: none"> <li>Bidibidi (5 Zones)</li> </ul>	2016	<b>5 Sub-Counties:</b> Kululu, Odravu, Ariwa, Romogi, Kochi	<b>15 Parishes:</b> Komgbe, Yoyo, Abara, Oluba, Ikafe, Okuyo, Rigbonga, Baringa, Bidibidi, Iyete, Onoko, Swinga, Yayari, kochi, Ombachi
			<b>Total: 18 zone/settlement hosting Sub-Counties</b> <b>48 zone/settlement hosting Parishes</b>	



Note: Each refugee residing area is referred to as “Settlement” in Adjumani, while they are called “Zone” and a cluster of Zones “Settlement” in the 4 other Districts.

## Organizations & Responsibilities for Host Communities and Settlements

	Host Communities		Zones/Settlements		
	Ministry	District & Sub-Counties	OPM	UNHCR	Other UN Agencies & Partners
<b>Planning</b> <ul style="list-style-type: none"> <li>Approval</li> <li>Land acquisition</li> <li>Land &amp; facility ownership</li> <li>Budgeting</li> </ul>	<p><i>Districts &amp; Ministries are usually involved in planning, implementation &amp; management of social infrastructures in the settlements, though their roles are limited for facilities constructed after the establishment of the Zone/Settlement.</i></p>		<p><i>OPM &amp; UNHCR-led coordination and sector planning</i></p>		
<b>Implementation</b> <ul style="list-style-type: none"> <li>Procurement</li> <li>Contract management</li> <li>Facility &amp; documents takeover</li> </ul>					
<b>Operation &amp; Maintenance (O&amp;M)</b> <ul style="list-style-type: none"> <li>Budget allocation</li> <li>Facility management (staffing, supplies, utilities, facility maintenance, etc.)</li> <li>Data management</li> </ul>					

***But the infrastructure & service delivery data encompassing both host communities & zones/settlements are often not readily available.***

# Health data availability at a glance

(HCs II, III & IV)



❖ The data availability described here is based on the Study Team's experience and may not be entirely accurate, as the purpose of the Study was to obtain the data for assessment, not to assess the data availability.

Y: info/data fully available and obtained

YD: info/data available (partially or supposed to be) but difficult to obtain

NS: the study team is not sure about info/data availability (tried but not possible, or no time to visit)

N: info/data not available

Location of the HC Information/data source	In Host Communities				Within Zone/Settlement					
	MoH (MIS)	District	SC	HC	UNHCR	OPM	Partners	HC	District	MoH (MIS)
<b>Existing HCs</b>										
Name of the HC	Y	NS	YD	Y	Y	NS	YD	Y	NS	NS
Location of the HC (village or parish)	Y	NS	NS	Y	YD	NS	YD	Y	NS	NS
Specific location (coordinate) of the HC (Note)	Y	NS	NS	Y	YD	NS	YD	Y	NS	NS
Classification/Operator of the HC	Y	YD	NS	Y	Y	NS	Y	Y	NS	NS
Filled-in positions and no. of staff per HC	NS	Y	NS	Y	NS	NS	NS	Y	NS	NS
No. of out-patients	NS	YD	NS	Y	YD	NS	Y	Y	NS	NS
No. of delivery	NS	YD	NS	Y	YD	NS	Y	Y	NS	NS
Ratio of non-Ugandan (refugee) out-patients	N	N	NS	Y	YD	NS	NS	Y	N	N
Ratio of non-Ugandan (refugee) mothers for delivery	N	N	NS	Y	YD	NS	NS	Y	N	N
Facility information (room, beds, operation theaters, etc.)	NS	NS	NS	Y	NS	NS	NS	Y	NS	NS
Water supply of the HC	NS	NS	NS	Y	NS	NS	NS	Y	NS	NS
Electricity supply of the HC	NS	NS	NS	Y	NS	NS	NS	Y	NS	NS
Equipment information of the HC	NS	NS	NS	Y	NS	NS	NS	Y	NS	NS
Information on supply of medicine	Y	NS	NS	Y	NS	NS	NS	Y	NS	NS
<b>HCs being constructed/expanded or planned</b>										
Details of the construction/expansion/plan information	NS	YD	N	N	YD	NS	N	N	NS	NS

Note: Identification and verification of coordinates of HCs involved use of Open Street Maps and Google Earth, too.

Source: JICA Study Team according to their experience in July 2017 - January 2018.

In general,

- Dual entry points for data collection:** data collection entry points are basically Districts & Sub-Counties for the host communities and OPM/UNHCR & Partners for the settlements.
- Data availability with multiple entities:** within the host communities and settlements, data are mostly available but with different entities. Collection of detailed data often entailed visiting the facilities.
- Differences in data collection/management modalities:** data within the settlements are usually collected & consolidated with different formats & modalities (e.g. update frequency) than those followed by Districts & Ministries. This makes comparison and integration of the data for the host communities and settlements difficult.

## A-1 Assessment Methodology

### 1.1 Scope: **Health Centers (HCs) II ~ IV in the 5 Districts**

### 1.2 Integrated Approach

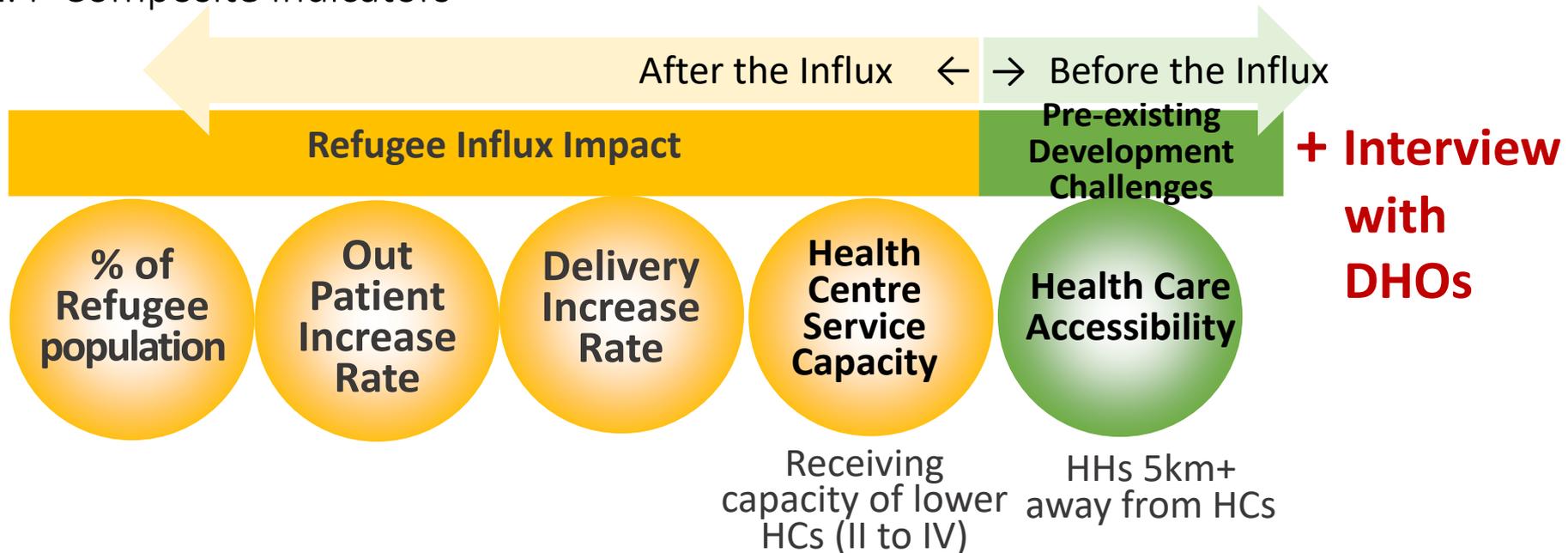
- Holistically: capturing both the Zones/Settlements and Adjacent Sub-Counties
- Accessed HCs: by both refugees and host community residents.

→ **STA**

### 1.3 Focus on population increase : Share of refugee population in total population

- a most obvious and simple indicator to capture additional HC capacity requirements

### 1.4 Composite Indicators

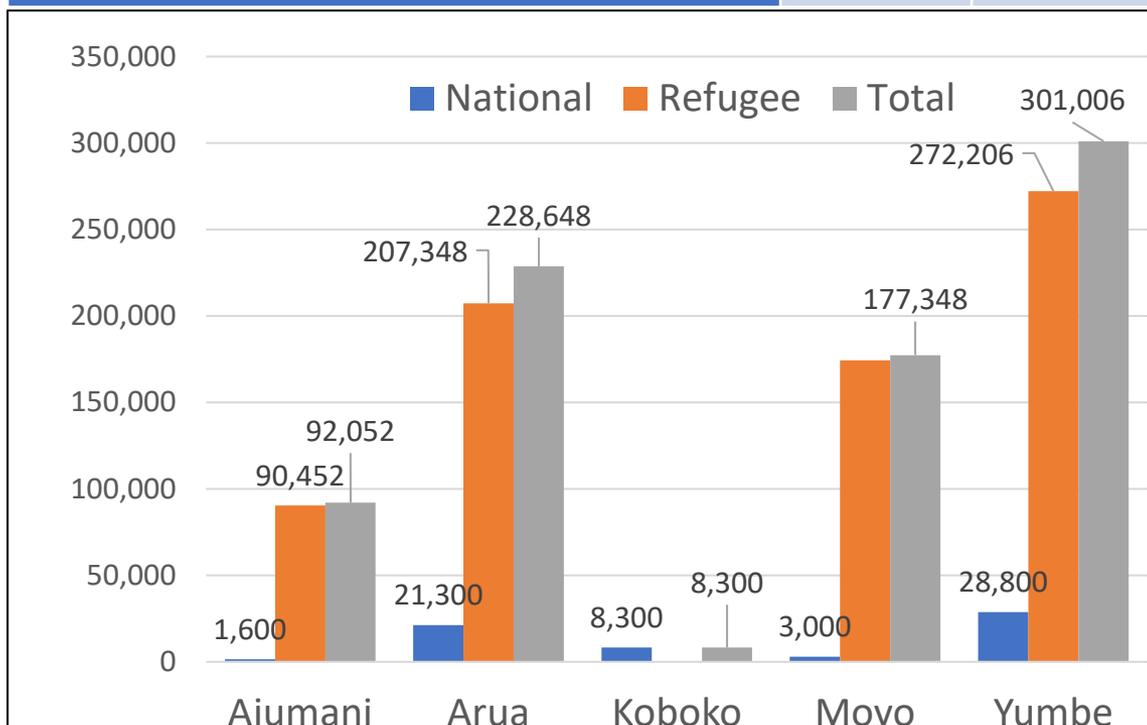


## A-2 Assessment

### Population Increase: from June 2016 to July 2017

(incl. both nationals & refugees)

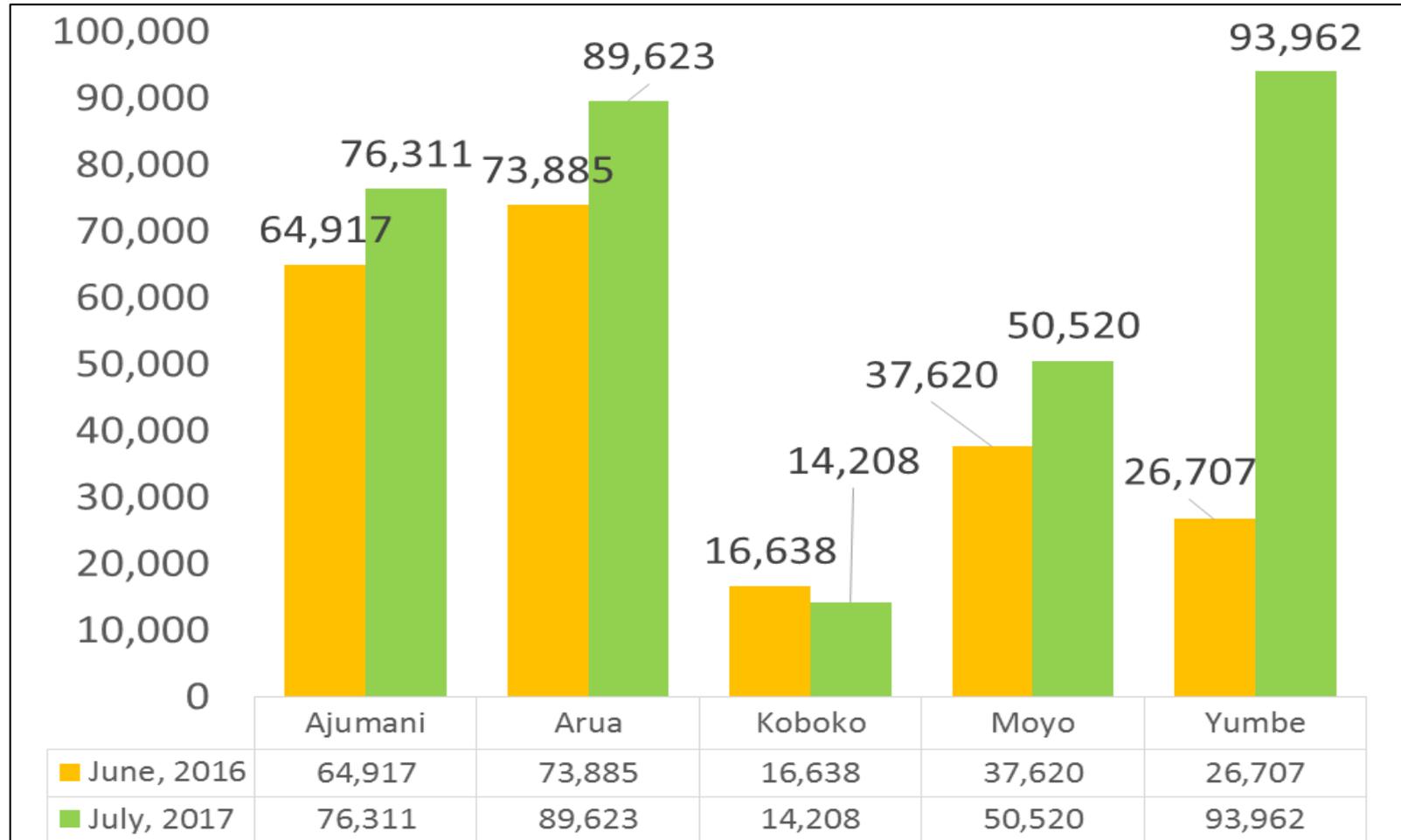
District	Adjumani	Arua	Koboko	Moyo	Yumbe
Population in 2016 (UBOS Population Estimate)	227,900	819,600	220,900	144,600	533,800
Population increase June 2016–July 2017	92,052	228,648	8,300	177,348	301,006
Growth rate	40.6%	27.9%	3.8%	122.6%	56.4%



Source: Created by the Survey Team based on the information below. Ugandan citizen population: UBOS population estimates file. Refugee population: Adjumani district calculated from 'South Sudan Situation Information Sharing Portal' (accessed Sept. 30, 2017); Arua district calculated from interview survey with above and OPM; Koboko district newly registered refugees set to 0 based on response in interview with OPM that there is no change in the population of refugee areas. Moyo district calculated from 'Active Population Statistics by Country, Sex and Age Group as of 30th June 2017-Moyo'; Yumbe district calculated from UNHCR, Health Information System (May 2017).

## A-2 Assessment (cont.)

### Comparison of Outpatient Numbers: June 2016 and July 2017



Source: Prepared by the Survey Team based on District Health Information System 2 (DHIS2)

# A-2 Assessment (cont.)

## Medical Service Delivery : Achievements & Challenges

### Health Indicators

District League Table\*

### Facility Stock Status

% Score N'I avg:66.2	Rank	District	Rank	EMHS* <sup>1</sup> BASKET	ARV* <sup>2</sup> BASKET	LAB* <sup>3</sup> BASKET	RMNCAH* <sup>4</sup> BASKET	TB* <sup>5</sup> BASKET	Avg
80.9	1	Adjumani	62	63%	37%	47%	54%	69%	54%
67.9	60	Arua	99	21%	38%	44%	34%	43%	36%
74.0	10	Koboko#	74	38%	73%	50%	56%	63%	56%
73.7	13	Moyo	102	24%	13%	29%	29%	63%	31%
68.6	48	Yumbe	13	79%	63%	79%	75%	91%	77%

Soure : MoH(2017), Annual Health Sector Performance Report 2016/17

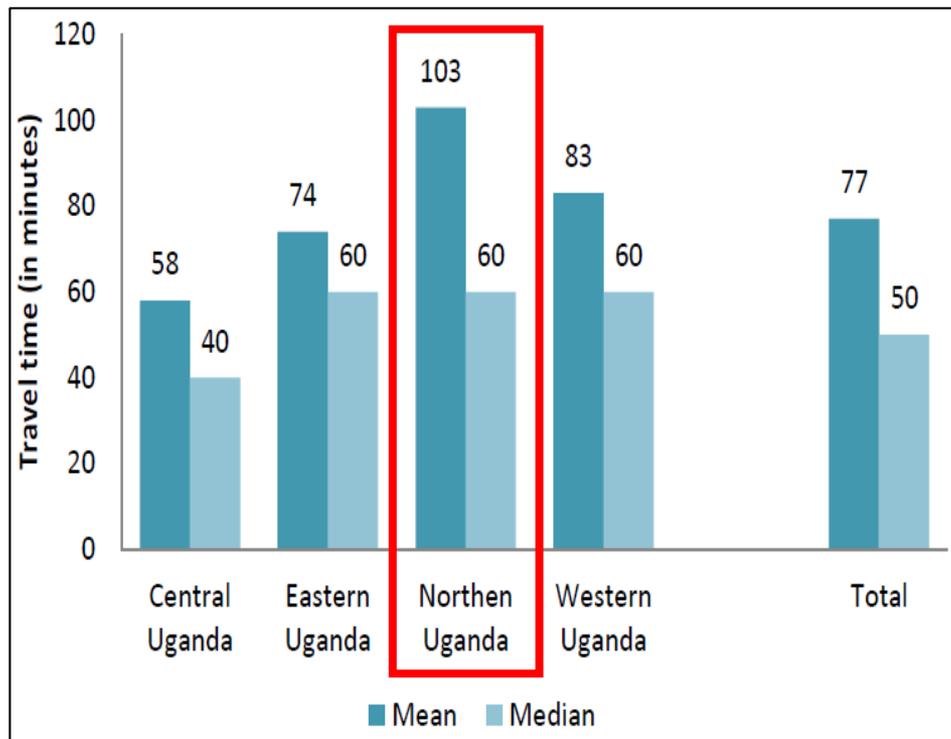
Source: Prepared by the Survey Team based on MoH Pharmacy Division (2017), Facility Tracer Medicines Stock Status Report , January-February 2017 and February- Mach 2017(#Koboko)

\*DLT: To compare performance between districts, to provide information to facilitate the analysis for good and poor performance at districts, to increase LG ownership for achievement

\*1EMHS: Essential Medicines and Health Supplies, \*2ARV:antiretroviral, \*3LAB: Laboratory, \*4RMNCAH: Reproductive Maternal Newborn Child Adolescent Health, \*5TB: Tuberculosis

# A-2 Assessment (cont.)

## Access to the Health Facilities: Emergency Transport



Trenches along the road become like rivers which makes difficult to travel: especially on sections water overflows.

Source: Uganda Hospital and Health Center IV Census Survey 2014 (left), Photo by Survey Team taken August 24, 2017 (Right)

## A-2 Assessment (cont.)

## Allocation of Health Staff: Met &amp; Unmet Staffing

A: Approved, F: Filled, G: Vacant/Excess (Vacant: +, Excess: -)	Adjumani			Arua			Koboko			Moyo			Yumbe		
	A	F	G	A	F	G	A	F	G	A	F	G	A	F	G
District Health Officer (HO)	1	1	0	1	1	0	1	0	1	1	1	0	1	1	0
Assistant District HO (Environmental Health)	1	1	0	1	0	1	1	0	1	1	1	0	1	1	0
Assistant District HO (MCH/Nursing)	1	1	0	1	1	0	1	0	1	1	1	0	1	1	0
Senior Health Educator	1	1	0	1	0	1	1	0	1	1	0	1	1	1	0
Bio-Statistician	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0
Health Educator	0	0	0	0	1	-1	0	0	0	0	0	0	0	0	0
Sr. Environmental HO	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1
Sr. Medical Officer	0	0	0	0	0	0	0	1	-1	0	0	0	0	0	0
Sr. Nursing Officer	0	0	0	0	1	-1	0	1	-1	0	0	0	0	0	0
Vector Control Officer	0	1	-1	0	1	-1	0	0	0	0	0	0	0	0	0
Human Resource Officer	0	0	0	0	0	0	0	0	0	0	1	-1	0	0	0
Health Inspector	0	0	0	0	1	-1	0	1	-1	0	1	-1	0	2	-2
Nursing Officer	0	0	0	0	1	-1	0	0	0	0	0	0	0	0	0
Sr. Accounts Assist.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	-1
Stenographer Secretary	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0
Cold Chain Technician	1	0	1	1	1	0	1	0	1	1	1	0	1	0	1
Cold Chain Assist.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	-1
Accounts Assist.	0	0	0	0	0	0	0	0	0	0	0	0	0	2	-2
Stores Assist.	1	1	0	1	0	1	1	0	1	1	1	0	1	0	1
Car Driver	1	1	0	1	2	-1	1	1	0	1	1	0	1	1	0
Nursing Assist.	0	0	0	0	2	-2	0	0	0	0	0	0	0	0	0
Office Attendant	1	0	1	1	0	1	1	0	1	1	0	1	1	1	0
Porter	0	0	0	0	2	-2	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>11</b>	<b>9</b>	<b>2</b>	<b>11</b>	<b>16</b>	<b>-5</b>	<b>11</b>	<b>6</b>	<b>5</b>	<b>11</b>	<b>10</b>	<b>1</b>	<b>11</b>	<b>14</b>	<b>-3</b>
<b>% Filled</b>	<b>82%</b>			<b>145%</b>			<b>55%</b>			<b>91%</b>			<b>127%</b>		

Source: Compiled by the Study Team based on National District Health Staff Records, Accessed 2017

# A-2 Assessment (cont.)

## Condition of Health Facilities in the Target Districts



Post-natal room used as maternity ward with 2 beds only, Kureku HC 11



Ward in Ocea HC 11



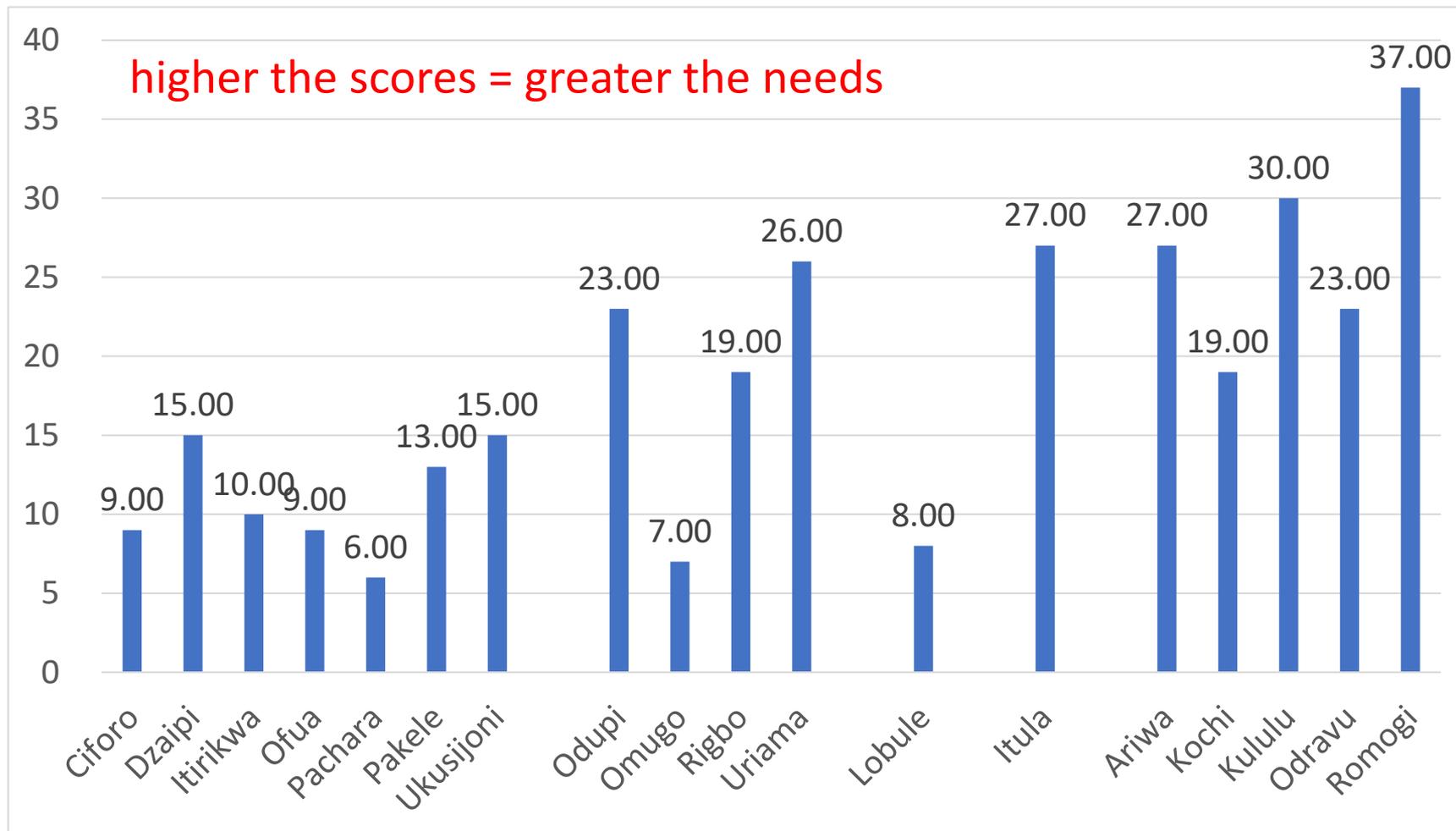
Latrine, Kureku HC11



Ward, Consultation, dispensary, Labo. & store, Andelizu HC11



# A-3 Assessment Results of the 18 Sub-Counties incl. Zones/Settlements



<b>ADJUMANI</b>	<b>ARUA</b>	<b>KOBOKO</b>	<b>MOYO</b>	<b>YUMBE</b>
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## A-4 Outline of the Project Profile

### ■ Proposed components of facility

- Maternity ward incl. latrines-showers
- Outpatient latrines, men - women separately
- Staff quarters incl. latrines-showers
- Generator room
- Placenta pit
- Medical waste incinerator
- Attendants' kitchen + laundry room
- Security guard room

#### Considerations

- In line with MOH's policy: upgrading HC II to HC III
- Function necessary to be HC III

### ■ Area for the proposed component

- Approx. 966 m<sup>2</sup>/existing HC site

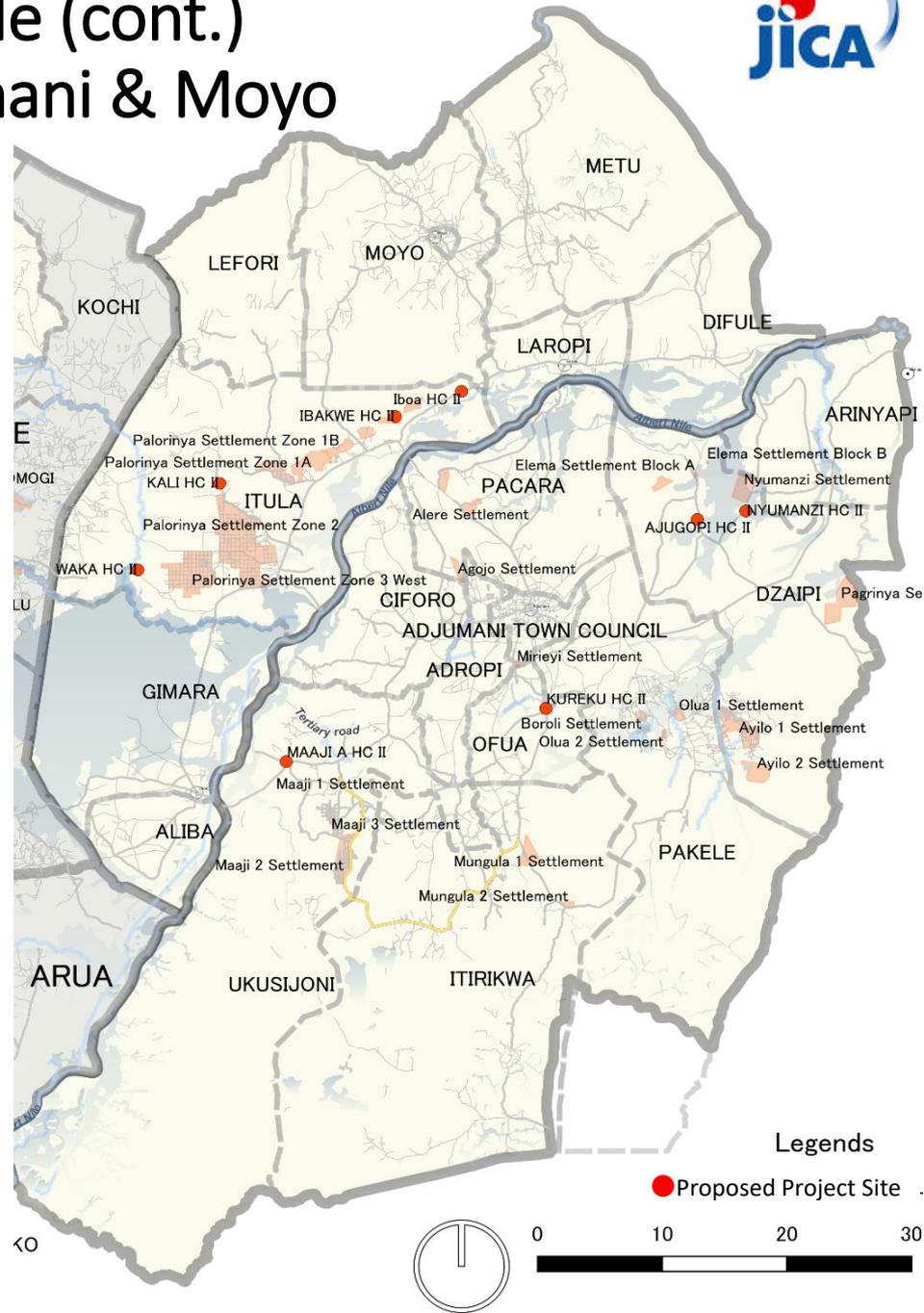
Actual component and area shall be varied according the condition of facility

# A-4 Outline of the Project Profile (cont.)

## Potential Project Sites in Adjumani & Moyo

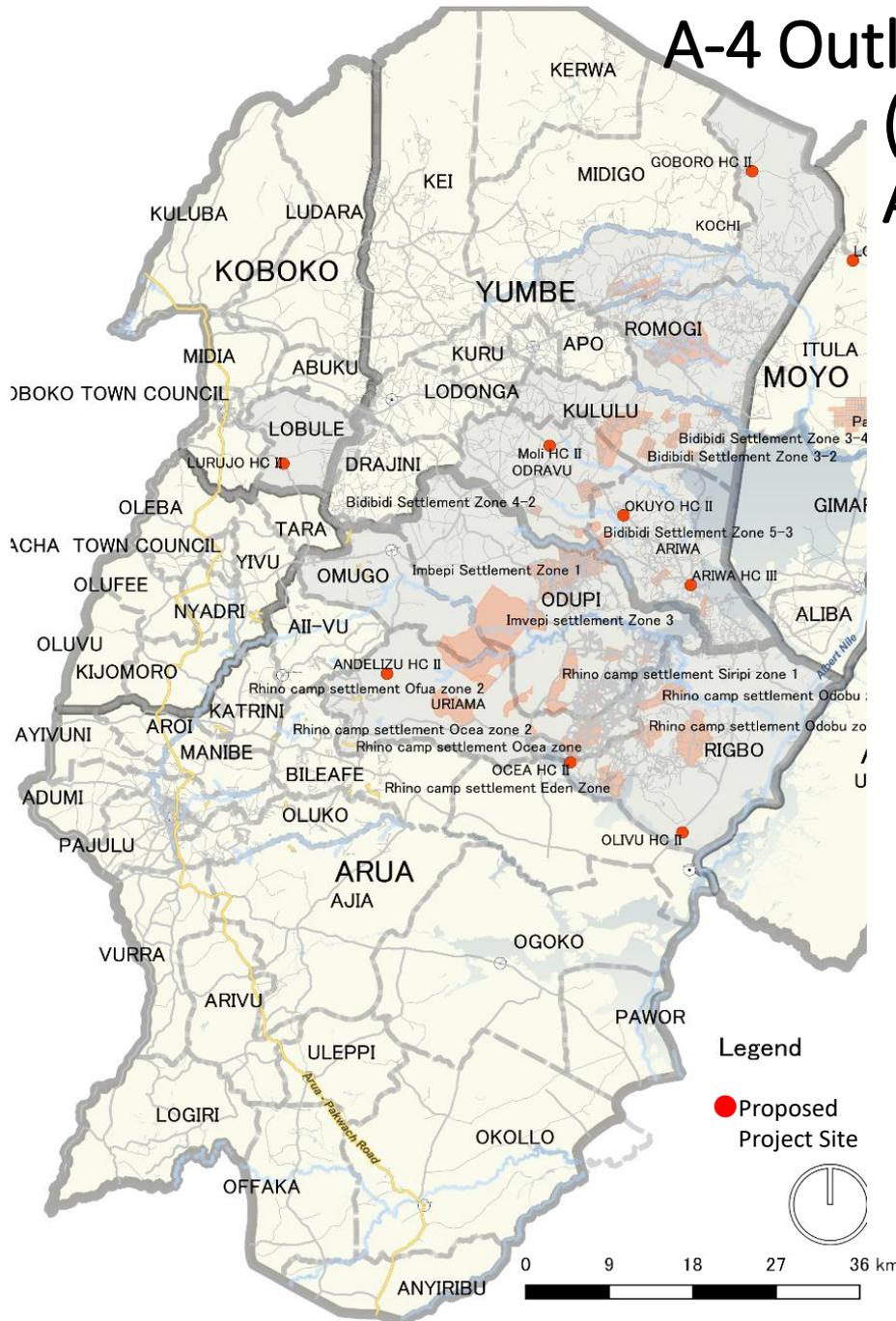


District	Sub-county	Health Centre
Adjumani	Ukusijoni	Maaji A HC II
Adjumani	Dzaipi	Ajugopi HC II
Adjumani	Dzaipi	Nyumanzi HC II
Adjumani	Ofua	Kureku HC II
Moyo	Itula	Ibakwe HC II
Moyo	Itula	Iboa HC II
Moyo	Itula	Kali HC II
Moyo	Itula	Waka HC II



# A-4 Outline of the Project Profile

## (cont.) Potential Project Sites in Arua, Koboko, Yumbe



District	Sub-county	Health Centre
Arua	Uriama	Andelizu HC II
Arua	Rigbo	Ocea HC II
Arua	Rigbo	Olivu HC II
Koboko	Lobule	Lurujo_HCII
Yumbe	Ariwa	Okuyo HC II
Yumbe	Ariwa	Ariwa HC III
Yumbe	Odravu	Moli HC II
Yumbe	Kochi	Lokpe HC II
Yumbe	Kochi	Goboro HC II