

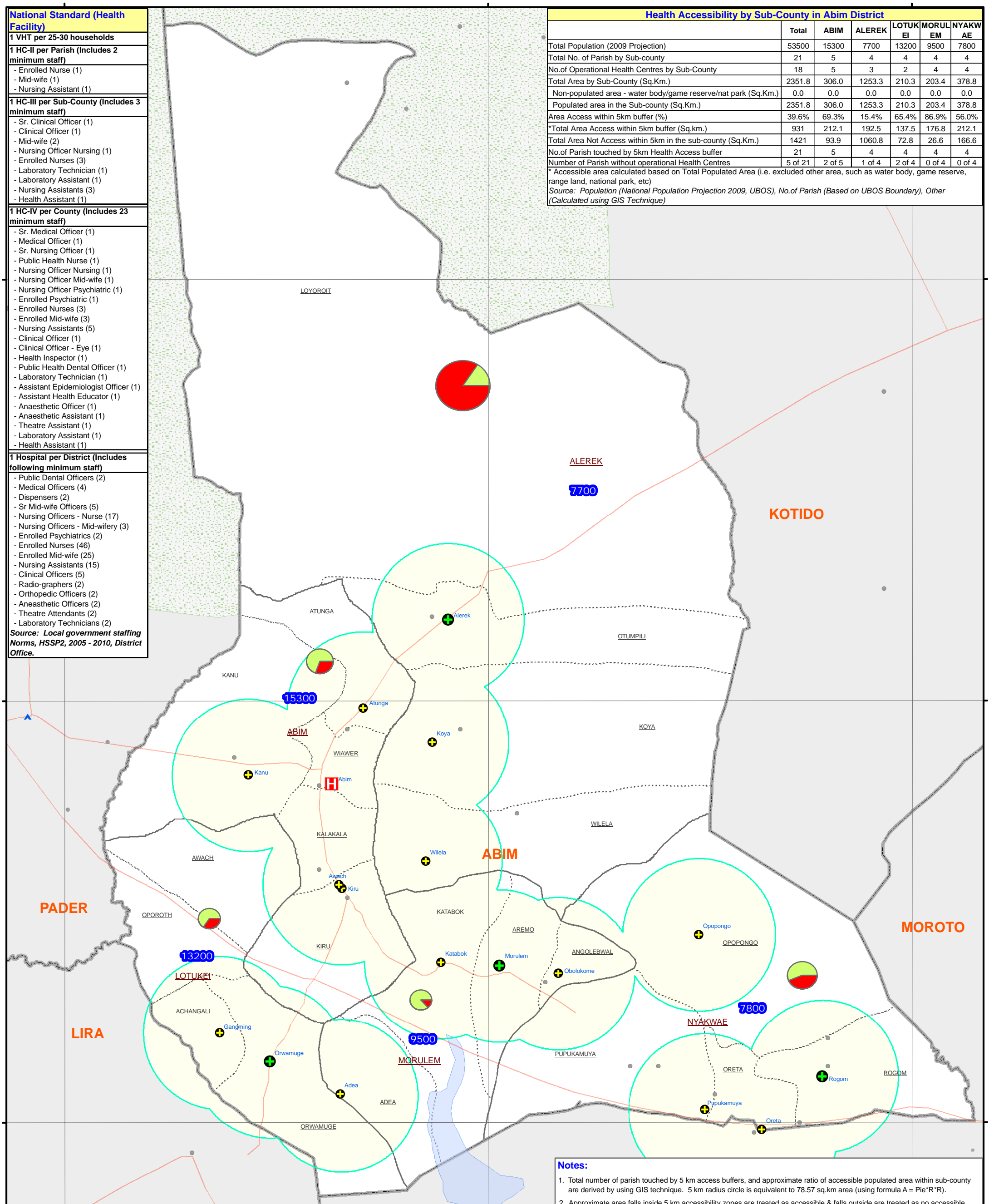
# ABIM DISTRICT: Health Accessibility by Sub-County (June 2009)

33°30'0"E 33°45'0"E 34°0'0"E 3°0'0"N 3°0'0"N 2°45'0"N 2°45'0"N 2°30'0"N 2°30'0"N

National Standard (Health Facility)	
1 VHT per 25-30 households	
1 HC-II per Parish (Includes 2 minimum staff)	
- Enrolled Nurse (1)	
- Mid-wife (1)	
- Nursing Assistant (1)	
1 HC-III per Sub-County (Includes 3 minimum staff)	
- Sr. Clinical Officer (1)	
- Clinical Officer (1)	
- Mid-wife (2)	
- Nursing Officer Nursing (1)	
- Enrolled Nurses (3)	
- Laboratory Technician (1)	
- Laboratory Assistant (1)	
- Nursing Assistants (3)	
- Health Assistant (1)	
1 HC-IV per County (Includes 23 minimum staff)	
- Sr. Medical Officer (1)	
- Medical Officer (1)	
- Sr. Nursing Officer (1)	
- Public Health Nurse (1)	
- Nursing Officer Nursing (1)	
- Nursing Officer Mid-wife (1)	
- Nursing Officer Psychiatric (1)	
- Enrolled Psychiatric (1)	
- Enrolled Nurses (3)	
- Enrolled Mid-wife (3)	
- Nursing Assistants (5)	
- Clinical Officer (1)	
- Clinical Officer - Eye (1)	
- Health Inspector (1)	
- Public Health Dental Officer (1)	
- Laboratory Technician (1)	
- Assistant Epidemiologist Officer (1)	
- Assistant Health Educator (1)	
- Anaesthetic Officer (1)	
- Anaesthetic Assistant (1)	
- Theatre Assistant (1)	
- Laboratory Assistant (1)	
- Health Assistant (1)	
1 Hospital per District (Includes following minimum staff)	
- Public Dental Officers (2)	
- Medical Officers (4)	
- Dispensers (2)	
- Sr Mid-wife Officers (5)	
- Nursing Officers - Nurse (17)	
- Nursing Officers - Mid-wifery (3)	
- Enrolled Psychiatrics (2)	
- Enrolled Nurses (46)	
- Enrolled Mid-wife (25)	
- Nursing Assistants (15)	
- Clinical Officers (5)	
- Radio-graphers (2)	
- Orthopedic Officers (2)	
- Aneasthetic Officers (2)	
- Theatre Attendants (2)	
- Laboratory Technicians (2)	
<b>Source: Local government staffing Norms, HSSP2, 2005 - 2010, District Office.</b>	

Health Accessibility by Sub-County in Abim District						
	Total	ABIM	ALEREK	LOTUK EI	MORUL EM	NYAKW AE
Total Population (2009 Projection)	53500	15300	7700	13200	9500	7800
Total No. of Parish by Sub-county	21	5	4	4	4	4
No. of Operational Health Centres by Sub-County	18	5	3	2	4	4
Total Area by Sub-County (Sq.Km.)	2351.8	306.0	1253.3	210.3	203.4	378.8
Non-populated area - water body/game reserve/nat park (Sq.Km.)	0.0	0.0	0.0	0.0	0.0	0.0
Populated area in the Sub-county (Sq.Km.)	2351.8	306.0	1253.3	210.3	203.4	378.8
Area Access within 5km buffer (%)	39.6%	69.3%	15.4%	65.4%	86.9%	56.0%
*Total Area Access within 5km buffer (Sq.Km.)	931	212.1	192.5	137.5	176.8	212.1
Total Area Not Access within 5km in the sub-county (Sq.Km.)	1421	93.9	1060.8	72.8	26.6	166.6
No. of Parish touched by 5km Health Access buffer	21	5	4	4	4	4
Number of Parish without operational Health Centres	5 of 21	2 of 5	1 of 4	2 of 4	0 of 4	0 of 4

\* Accessible area calculated based on Total Populated Area (i.e. excluded other area, such as water body, game reserve, range land, national park, etc)  
 Source: Population (National Population Projection 2009, UBOS), No. of Parish (Based on UBOS Boundary), Other (Calculated using GIS Technique)



No. of Parish without operational HCs	5 of 21
No. of Sub-county without operational HC-III+	1 of 5
No. of County without operational HC-IV or Hospitals	None

- Notes:**
- Total number of parish touched by 5 km access buffers, and approximate ratio of accessible populated area within sub-county are derived by using GIS technique. 5 km radius circle is equivalent to 78.57 sq.km area (using formula  $A = \text{Pie} \times R^2$ ).
  - Approximate area falls inside 5 km accessibility zones are treated as accessible & falls outside are treated as no accessible.
  - Accessibility is based on aerial distance. Assumed that people travel most direct route in plain area.
  - Pie size is graduated by total populated area (excluded water body, game reserve, range land, national park, etc) of sub-County.
  - Accessibility presented in this map is based on available location of Health Centres from the District. Therefore, accessibility level change over time. For updated health information, please contact directly to DHO.



**Legend**

HC-II (13 Nos.)	Motorable Road	Forest Reserve	Projected Population 2009
HC-III (4 Nos.)	National Boundary	Game Reserve	5km Access buffer (~ 1-1.5 hrs walk to HC)
Hospital (1 No.)	District Boundary	National Park	<b>Pie (Ratio of Populated Area)</b>
IDP Camp	Sub-County Boundary	Rangeland	Access
IDP Return Site/Village	Parish Boundary	Water Body/Lakes	No Access

**Data Sources:**  
 Admin Boundaries - UBOS 2006  
 Admin Centres - UBOS 2002/2006  
 Landuse - UBOS 2006  
 Road Network - FAO  
 IDP/Return Sites/Village - Humanitarian Agencies in the field  
 Thematic - UNOCHA, DHO/Abim, June 2009

**This map is a work in progress. Please contact the IMU/Ocha as soon as possible with any corrections.**

**Map Disclaimer:**  
 The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations.

**Draft**

Map Prepare Date: 16 July 2009 (IMU/UNOCHA, Kampala)

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