



# Geospatial Model for Micro-Planning to Distribute Insecticide-Treated Nets (ITN) in Bagudu LGA, Kebbi State

By

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13 September 2023

## Acronyms

AMP- Alliance for Malaria Prevention

HF- Health Facility

HH- Household

ITNs- Insecticide Treated Nets

LGA- Local Government Area

NPHCDA- National Primary Health Care Development Agency

WHO- World Health Organization

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## 1.0 Introduction

Malaria continues to be a significant public health challenge in sub-Saharan Africa, with Nigeria bearing a substantial burden of the disease. Globally, there were an estimated 241 million malaria cases of which 94% occurred in Africa (WHO, 2021). Nigeria has the highest burden of malaria globally, accounting for nearly 27% of the global malaria burden. The risk of transmission exists throughout the country, all year round. However, the incidence of malaria is highest in the northern and north-eastern parts of the country. In 2021, there were an estimated 51 million malaria cases and 207,000 malaria deaths in Nigeria (WHO, 2021).

The impact of malaria on the Nigerian population is profound. It affects all age groups, but pregnant women and children under the age of five are particularly vulnerable (Akanno, 2018). The disease not only leads to an increased morbidity and mortality rate but also places a considerable economic burden on individuals, households, and the healthcare system in Nigeria (Onwujekwe et al, 2013).

In recent years, major efforts have been made in Nigeria to combat malaria. A major approach employed is the distribution of Insecticide Treated Nets. Insecticide-treated nets (ITNs) are a major intervention for malaria control. They serve as an effective preventive measure due to their ability to provide a physical barrier against mosquito bites and their insecticidal properties, which deter or kill mosquitoes on contact, thus breaking the transmission cycle. ITNs have been shown to be highly effective in reducing malaria transmission and mortality (Anikwe, et al 2020).

ITNs are a highly effective intervention for malaria control, but there are major challenges around distribution to the affected population in Nigeria. Recognizing the need for innovative solutions, Nigeria has turned to digital tools to strengthen its malaria control efforts. Digital tools, although still in its early stages, are increasingly being used to combat malaria in Nigeria with potential to make a significant impact. These tools encompass a wide range of technologies, including mobile applications, data analytics, and geographic information systems (GIS). These tools can be used to improve awareness of the disease, track its spread, and deliver interventions more effectively.

This study aims to use a GIS based approach to distribute ITNs to Bagudu local government area in Kebbi State, located in the north western region of Nigeria.

## 1.2 Statement of Problem

Efforts to combat malaria in Nigeria hinge on the mass distribution of ITNs to households across the nation. However, effective planning using digital tools for data driven decision making for distribution still remains a challenge.

The distribution plan typically employed does not take into account the spatial dimension of the distribution plan, planning is usually done without paying keen attention to the movement of people; both distributors and beneficiaries.

Most distribution plans utilize either a fixed post approach or house to house approach. Planning using any of these approaches makes use of catchments (a zone beyond which individuals are unlikely to access the services offered at that facility, also referred to as area of influence or demand field). Catchments are usually determined through proximity (buffer) analysis which uses euclidean (straight line) distance to form a boundary around each point of distribution. However, proximity analysis does not take into account the actual geographic realities on ground, it only generates a boundary using distance. This results in an overestimation of resources required for service delivery because the number of people within the (buffer analysis) catchment zone is not the number of people who can actually reach the distribution point within the specified distance using the available road networks in the area.

This study employs a different approach which takes into account the spatial complexities and geographical realities on ground by utilizing network analysis (a GIS-based approach for analyzing the movement of people, goods, or information through a network) to delineate catchments and optimal sites for distribution points. A distinct advantage of network analysis is the ability to model the network using actual geographic features, majorly road networks.

## 1.3 Study Objective

The overall aim of this study is to prepare a GIS enabled plan to effectively distribute mosquito nets to a target population of Under5 children and Pregnant women in Bagudu LGA, Kebbi state.

### 1.3.1 Specific Objectives

1. Estimate target population of LGA
2. Delineate distribution posts for ITNs for populations within 2-3 km walking distance.
3. Outline settlements beyond specified catchment distance for outreach distribution.
4. Estimate personnel requirements for effective implementation.

### 1.3.2 Study Area Map

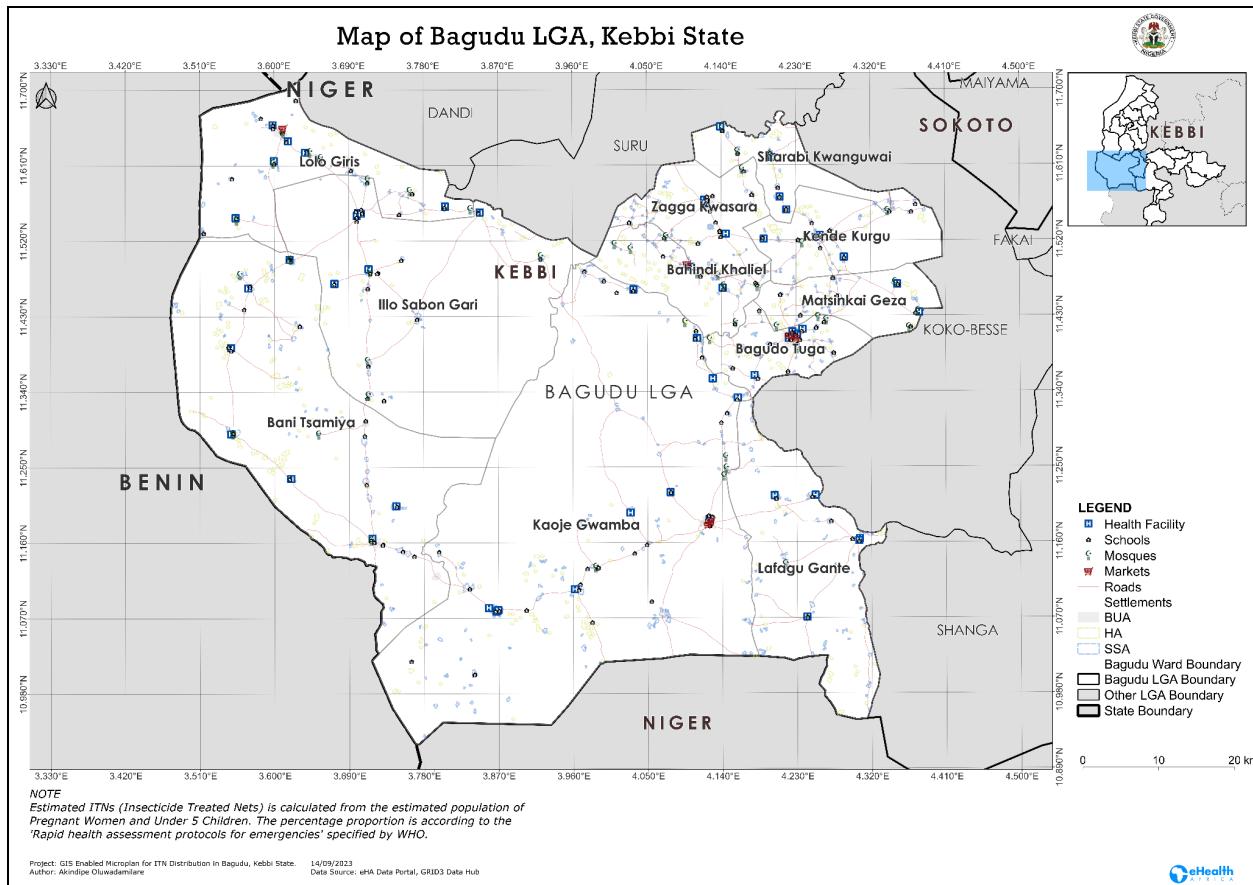


Figure 1: Map of Bagudu LGA.

## 2.0 Study Methodology

### 2.1 Data collection and Software Tools

To carry out this project several datasets were collected for use. These data include;

- **Building Footprint Data:** This data was created by Microsoft. It contains the machine learning extracted building footprints of the study area.
- **Network Analyst Extension:** on a licenced ArcGIS Pro Software or QGIS ORS plugin.
- **Road Network Dataset:** ESRI's road network data set was used for the analysis.
- **Administrative and Point of Interest data:** This data contains information on administrative boundaries, Health Facility, Mosques, Markets, Schools, Settlement boundaries of Kebbi in shapefile format. Data was collected from eHealth Africa dataportal and GRID3.

Data sets were loaded into ArcGIS Pro and QGIS for analysis and map creation respectively. The coordinate reference system used is the Minna / UTM zone 31N (EPSG: 26331).

### 2.2 Population Estimation Methodology

In order to estimate the population of the target LGA, the building footprints of the study area were used. The relative size of the area of the polygon of each building was used to estimate the number of households (HH) that would likely be resident within.

In order to have an idea of the building size, the area extent in meters square ( $m^2$ ) was measured for huts and using the design density score of apartment sizes research done by Adebayo and Iweka, 2014, relative building type based on area covered was used to develop a method of classification of the polygon size to estimate the number of households within.

The members of each household were then used to estimate the population in each building using the formula:

$$\text{Estimated Population} = \text{Building Type (Estimated Household)} * \text{HH Members}$$

The figure for household members was obtained from published reports of the Global Data Lab 'Population estimate of average household size, (Global data lab,

2023 ). The figure quoted is 7.59 which is approximately 8 members. This figure is also in agreement with the The Nigeria Demographic and Health Surveys (DHS) report of the ,Percent distribution of households by sex of head of household and household size, according to residence' (NDHS, 2013).

Table 1: Building Type Assessment and Population Estimation Classification.

<b>Building Area (m<sup>2</sup>)</b>	<b>Building Type</b>	<b>Estimated HH</b>	<b>Population</b>
< 20	Hut	1	8
20-40	1 Bed Flat	1	8
41-100	2-3 Bed Flat	1	8
101-200	2 Flats of 2-3 Bed Flat	2	16
201-400	4 Flats of 2-3 Bed Flat	4	32
>500	8 Flats of 2-3 Bed Flat	8	64

The population estimate was then assigned to each building. Subsequently, to get the population of a locality or a settlement entails counting the number of buildings in the locality and summing the total population of each building.

To get the population estimation of the target population for ITN distribution, the percent proportion of the population of pregnant women and under5 children was used as stated in the 'Rapid Health Assessment Protocols for Emergencies' document developed by the World Health Organization (WHO, 1999). The percent proportion of pregnant women and under5 population were given as 5% and 18% respectively.

The target population estimation was calculated at Settlement level. The figure is obtained using the formula:

## **Target Population = Proportion of Pregnant Women + Proportion of Under5**

The building footprint data was then converted from polygon to points to obtain population of settlements through a count of intersections with settlement area polygons.

### **2.3 Catchment Area Delineation**

A fixed post approach was employed for this project. A fixed post approach for ITN distribution is a method of distributing ITNs that involves setting up distribution points in fixed locations, such as health facilities, schools, or community centers. This approach is often used in rural areas where it is difficult to reach all households with door-to-door distribution. All the functional health facilities in Bagudu LGA were selected as Fixed Distribution Posts (also referred to as Fixed Post) while schools and mosques (POIs) were subjected to further analysis to select optimal sites for use as Temporary Distribution Posts (also referred to as Temporary Posts).

For each distribution post type, a specific distance based catchment area was selected for this project. The catchment distance specified is 2 and 3 kilometers walking distance for Fixed Post and Temporary Posts respectively.

This catchment distance is based on the World Health Organization (WHO)'s recommended 5 km distance to the nearest health facility (Ashiagbor, 2020).

Using GIS Network Analysis, the catchment zones and the optimal location of temporary posts for distribution were delineated through Service Area Analysis and Location Allocation Analysis respectively, both of which are based on the use of a network, that is, the road network in the area to generate the catchment area.

#### **Network Analysis:**

The network analysis model used for this study is based on Dijkstra's Algorithm for finding the shortest path. Dijkstra's algorithm is a graph search algorithm that finds the shortest path between two nodes in a graph, where each edge (connection between two nodes) has a weight. It is a greedy algorithm, which means that it makes the locally optimal choice at each step, in the hope that this will lead to the globally optimal solution.

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The algorithm works by maintaining a set of visited nodes and a set of unvisited nodes. It starts at the source node and marks it as visited. Then, it iteratively considers the unvisited nodes that are adjacent to the visited nodes, and marks the node with the shortest distance as visited. This process continues until all nodes have been visited. Once the algorithm has finished running, the shortest path from the source node to any other node is the distance of that node from the source node in the distances dictionary.

The result generated an isochrone map (catchment) of the area within 2km walking distance of the health facilities while the location allocation generated selected POIs with the highest amount of coverage based on the cutoff distance of 3km. It should be noted that there were about 162 schools and 45 mosques but only 104 optimal sites were selected.

#### **2.4 Outreach Settlements Delineation**

The settlements that do not intersect these catchment areas were outlined with their population. This is to plan an effective mobile outreach.

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## 3.0 Results

### 3.1 Population Estimation

The result of the population estimations are in three categories as shown in the table below.

Table 2: Estimated Populations results

Population in LGA	688,704
Population in Storage Boundary	688,592
Population in Settlements	595, 920

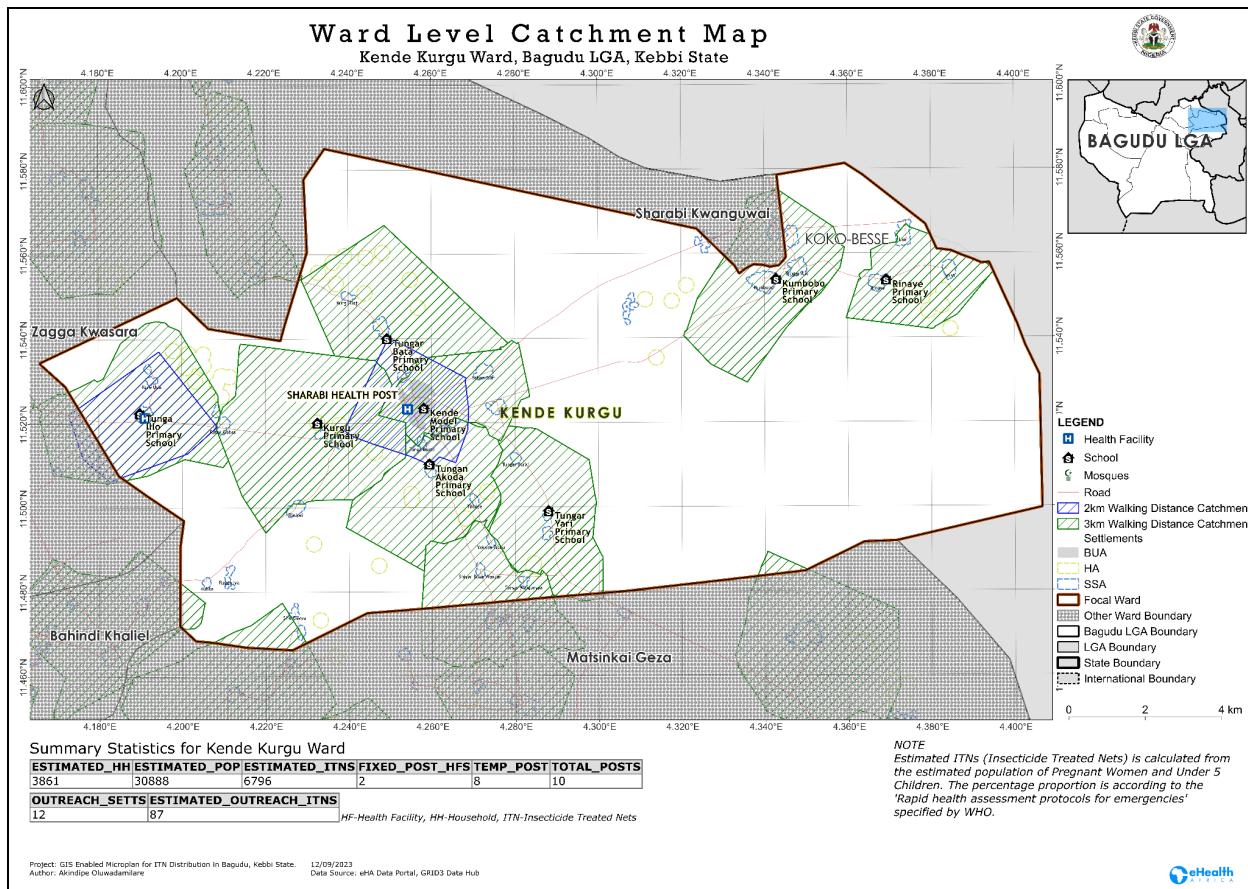
The population in the LGA is the result of the sum of the population of all the members of households in all the buildings within the Local Government Area.

The population in the practical boundaries of the health facilities is the result of the count analysis given after spatial join. It is not clear why there is a difference of 22 but it assumed that figure is as a result of some points being on the boundary lines and the algorithm is having difficulty assigning which figure to which boundary.

The population in settlements is the figure for all the building points in each settlement boundary. This figure is explained by the fact that there are building footprints that are not within a defined settlement boundary and since the distribution plan will be done at settlement level, this is our working figure for the population.

### 3.2 Ward Level Analysis and Maps

The distribution plan is most effective at ward level for implementing actors. Hence, ward level catchment maps highlighting distribution points and ward level accessibility maps were made. For illustration purposes, only one ward (Kende Kurgu ward) is shown here, other wards are shown in the annex section of this document.



10(a)

**Summary Statistics for Kende Kurgu Ward**

ESTIMATED_HH	ESTIMATED_POP	ESTIMATED_ITNS	FIXED_POST_HFS	TEMP_POST	TOTAL_POSTS
3861	30888	6796	2	8	10
<b>OUTREACH_SETTS</b>		<b>ESTIMATED_OUTREACH_ITNS</b>			
12		87			

HF-Health Facility, HH-Household, ITN-Insecticide Treated Nets

10(b)

Figure 10: (a) Map showing ward level catchment map of distribution posts in Kende Kurgu Ward, (b) Blown up summary statistics for Kende Kurgu Ward.

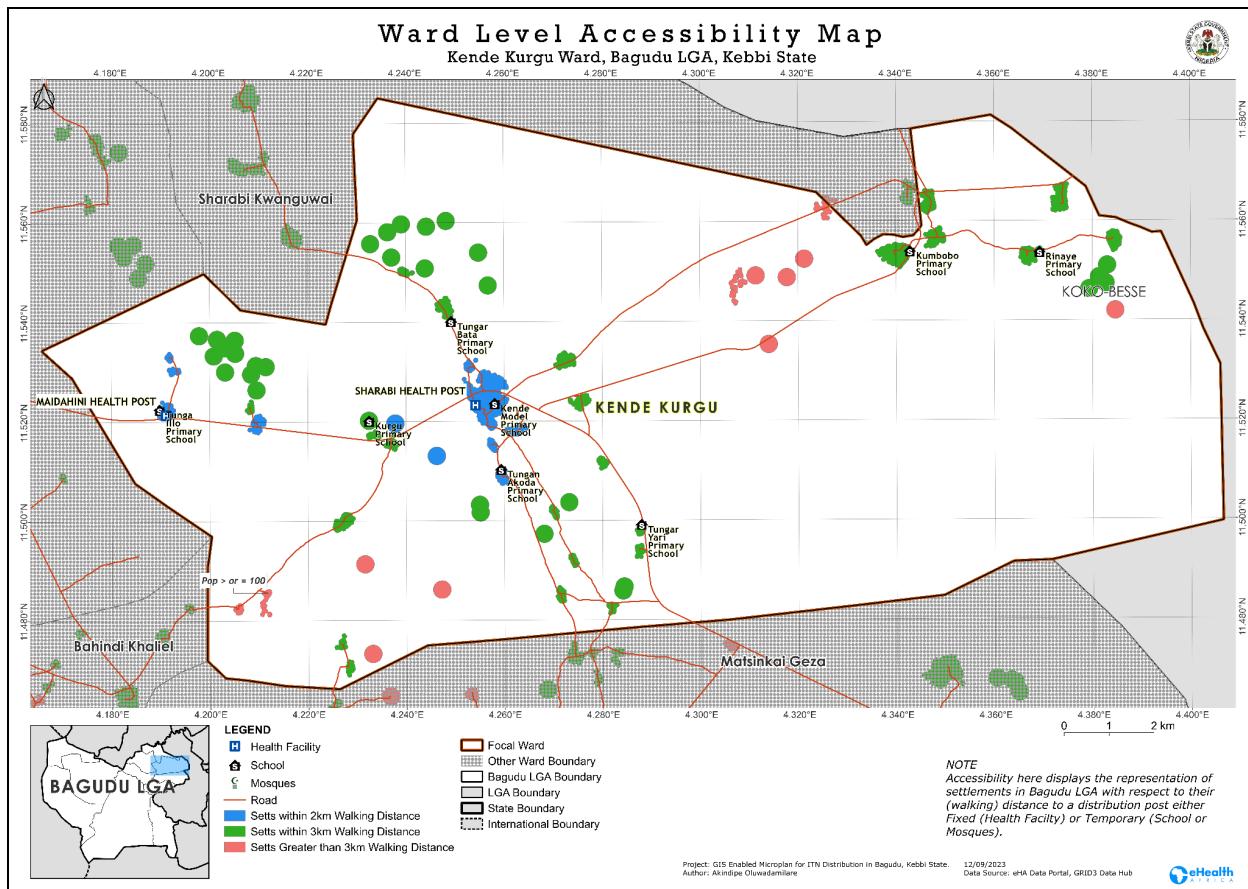


Figure 11: Map showing accessibility status of settlements in Kende Kurgu Ward.

The accessibility map highlights the settlements that are within the specified catchment distance for the distribution posts and those beyond.

Each distribution post are also shown within their respective storage health facility for supply

A list of each distribution post and its supply facility is outlined in the annex section.

### 3.2.1 Outreach Settlements list

Below is the table for the outreach settlement list for Kende Korgu Ward. For illustration purposes, only one ward (Kende Korgu ward) is shown here, other wards are shown in the annex section of this document.

Table 3: Outreach settlements list in Kende Kordu ward.

SN	Settlement Name	Wardname	LGA Name	Estimated HH	Estimated Pop	Catchment Status	Estimated ITNs
1	Sire Namata	Kende Korgu	Bagudu	4	32	Outreach	7
2	HA_10	Kende Korgu	Bagudu	3	24	Outreach	5
3	Ruhan Dutsi	Kende Korgu	Bagudu	5	40	Outreach	9
4	HA_7	Kende Korgu	Bagudu	3	24	Outreach	5
5	HA_1	Kende Korgu	Bagudu	1	8	Outreach	1
6	Rugga Iya	Kende Korgu	Bagudu	15	120	Outreach	27
7	Hukka	Kende Korgu	Bagudu	14	112	Outreach	24
8	SSA_22387	Kende Korgu	Bagudu	4	32	Outreach	7

### 3.3 Metrics for Planning

Guided by the toolkit developed by the Alliance for Malaria Prevention (AMP, 2012), a number of planning metrics can be calculated.

#### 3.3.1 Estimated Number of Distribution Days

The total number of estimated ITN to be distributed is 151,492. The total number of distribution posts is 121. Bagudo LGA is predominantly comprised of rural areas. Based on this metric AMP uses the formula below to calculate the total number of days for distribution:

**Average ITN to be distributed = Total Number of ITNs to be distributed / Number of distribution sites**

**Number of days = Average ITN to be distributed / Expected Beneficiaries per day**

AMP specifies 200 expected beneficiaries for rural areas.

### **3.3.2 Personnel Estimation**

According to the AMP toolkit, rural venues need a minimum of four people to accommodate 150–200 beneficiaries each day:

One marker of tally sheets, one person to distribute, one person to deliver health-related messages, and one person to perform net-hanging demonstrations.

For this project, the total personnel required for distribution is;  
 $121 * 4 = 484$  People.

AMP also specifies 1 supervisor for 5 distribution posts in rural areas, calculating supervisors required is;

$121 / 5 =$  about 24 people. Bringing the total tally to 508 personnel.

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## 4.0 Conclusion and Recommendation

This study has demonstrated the effectiveness of GIS for planning. All the major aspects of the approaches employed for this project have been shown to be data driven and there is a considerable amount of leaning away from assumptions during decision making.

The use of a network based approach for catchment delineation is a major advantage and a unique value proposition of this approach because actual geographic realities are the basis for catchment delineation. This has massive advantages to the planning as it can serve as a check for over estimation leading to resource waste and also underestimation which defeats the purpose of implementation.

In summary, using a GIS based approach is a more suitable approach tool for planning. It offers the ability to make data-driven decisions, optimize resource allocation, and improve the overall effectiveness of microplans. By harnessing the power of spatial analysis, GIS enhances the planning, implementation, and monitoring of micro planning initiatives, ultimately leading to better outcomes.

### 4.1 Limitation of Study

The lack of accurate census data for population estimation limits the accuracy of figures used for estimation. There are also a lot of generalizations and assumptions in the methodology used for population estimation. The use of only building footprints without a micro-census of the study area coupled with use of well known statistical methods and approaches for population estimation is a major limiting factor for the figures used.

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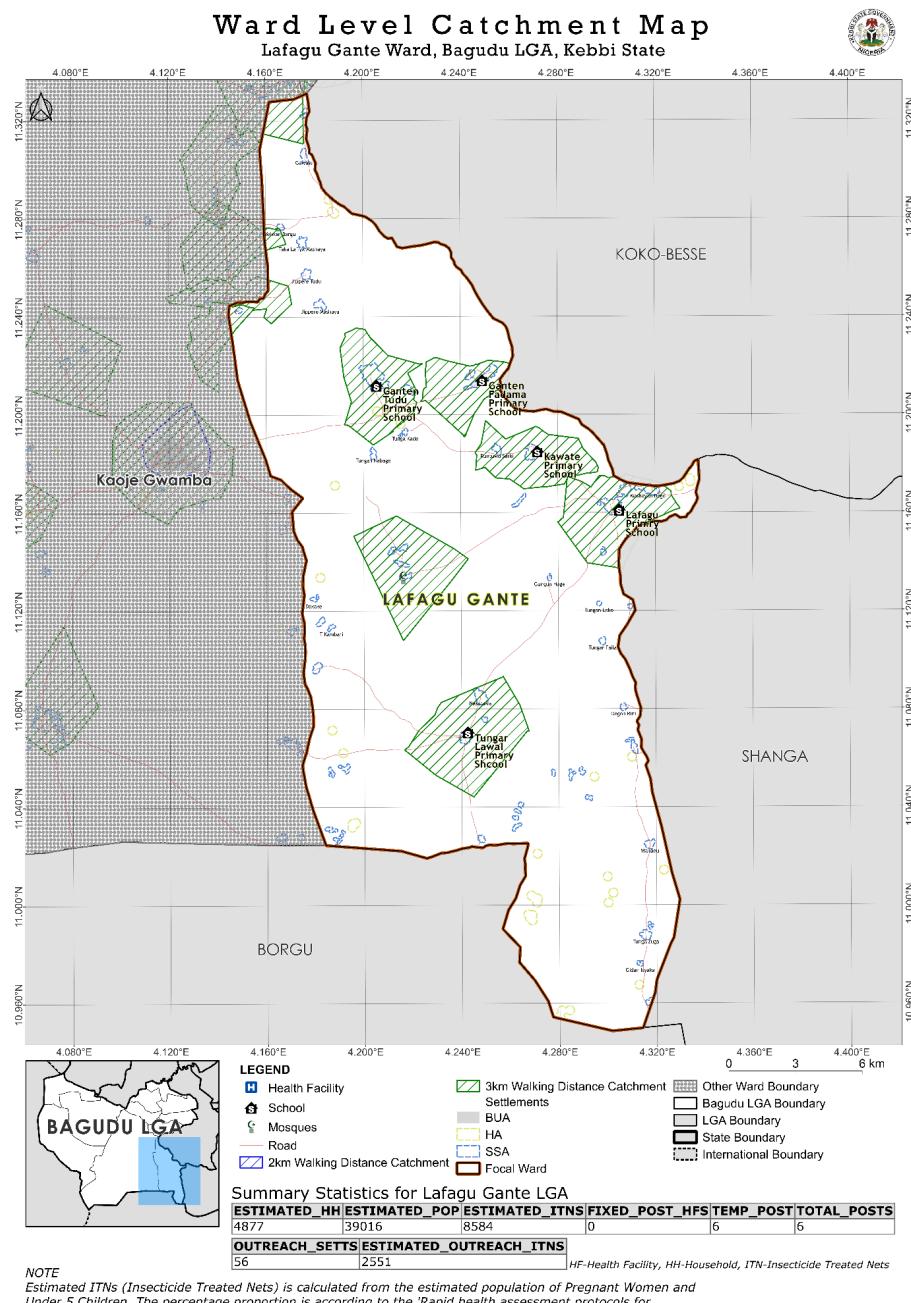
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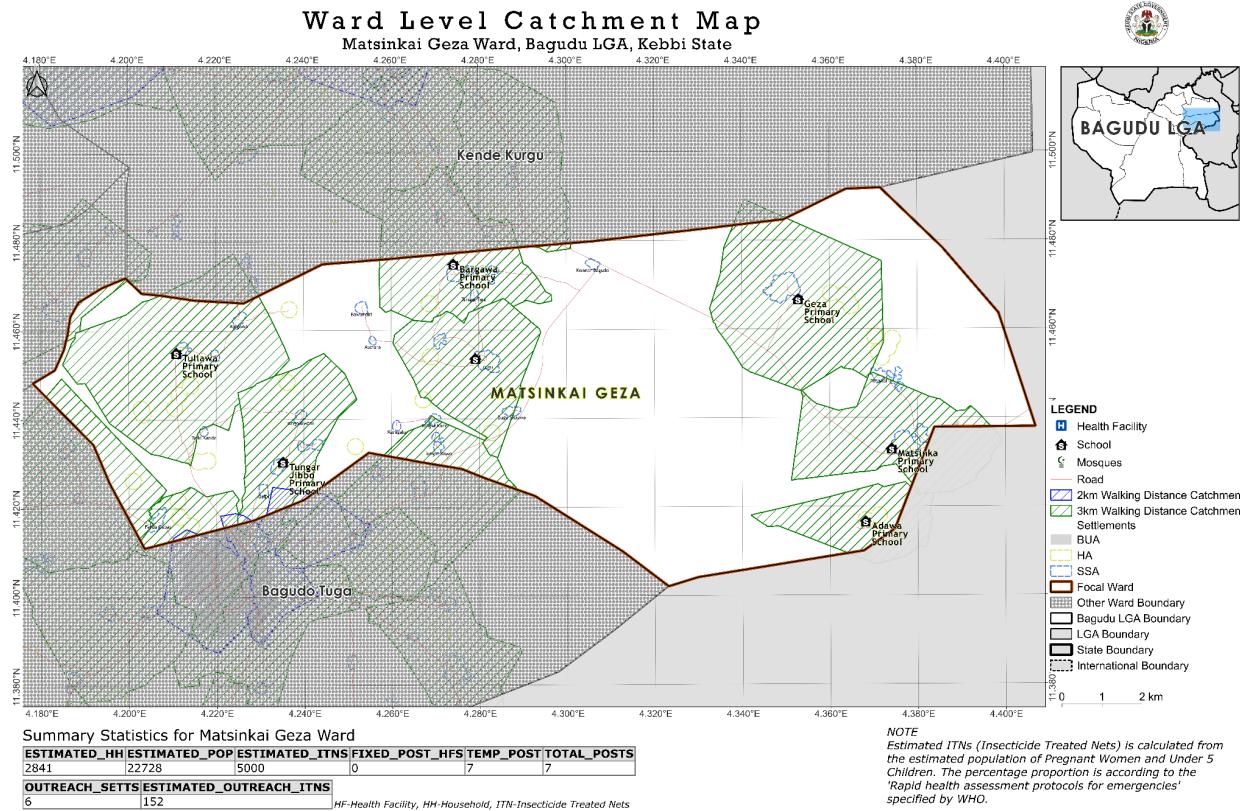
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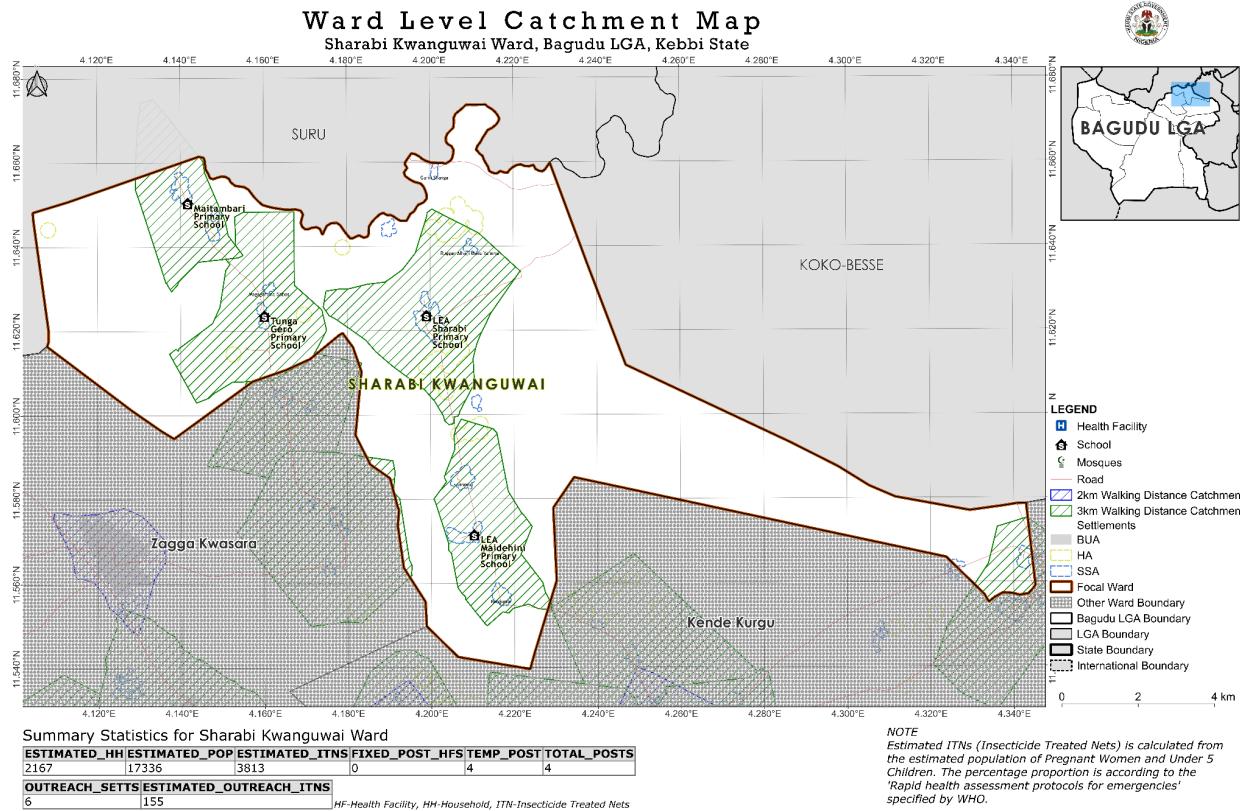
## Annex

### Annex 1: Ward Level Catchment Maps

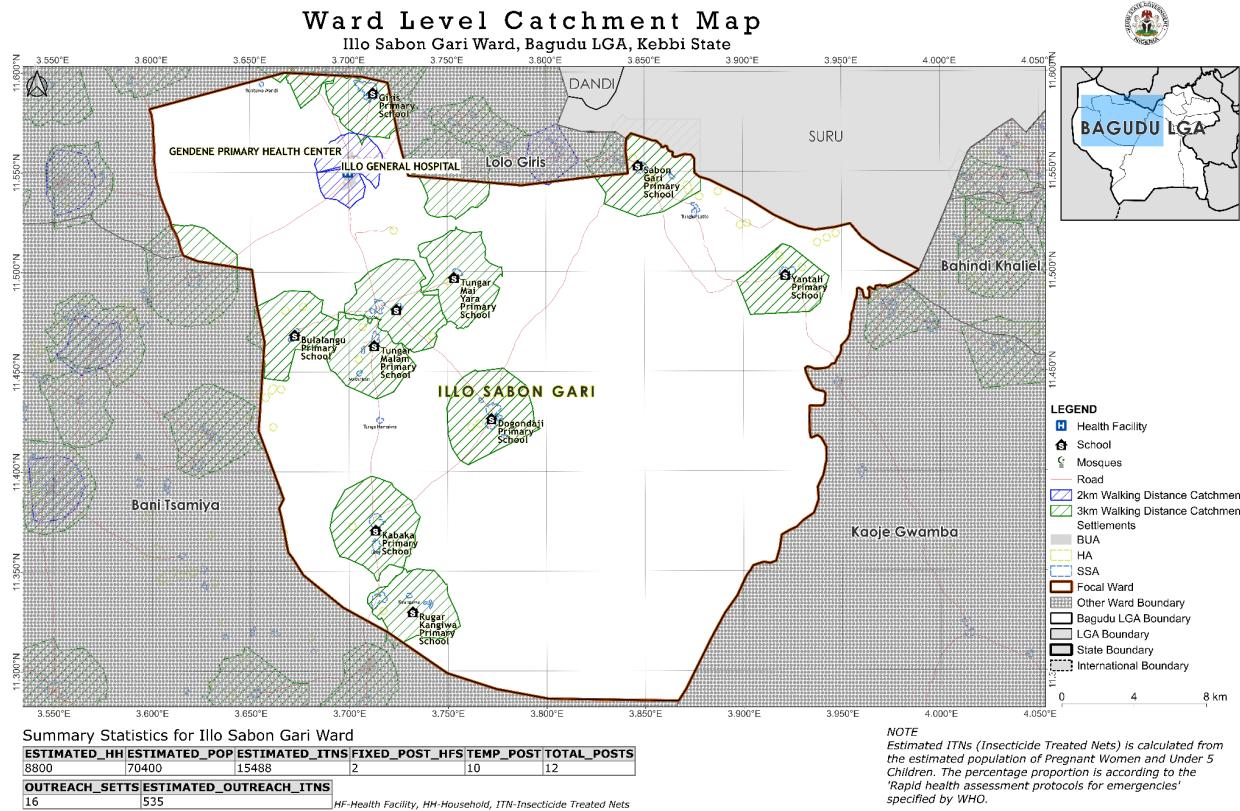




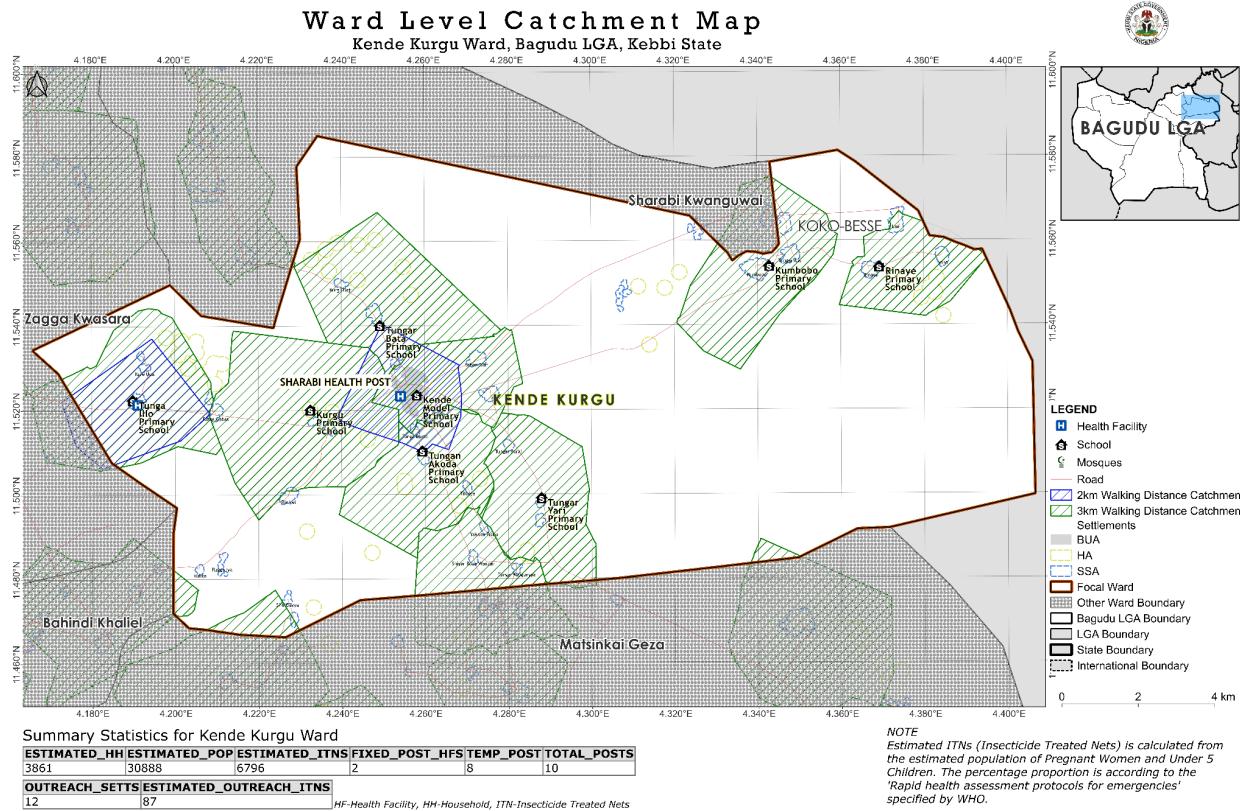
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Author: Akindipe Olusadeemire  
12/09/2023  
Data Source: eHA Data Portal, GRID3 Data Hub



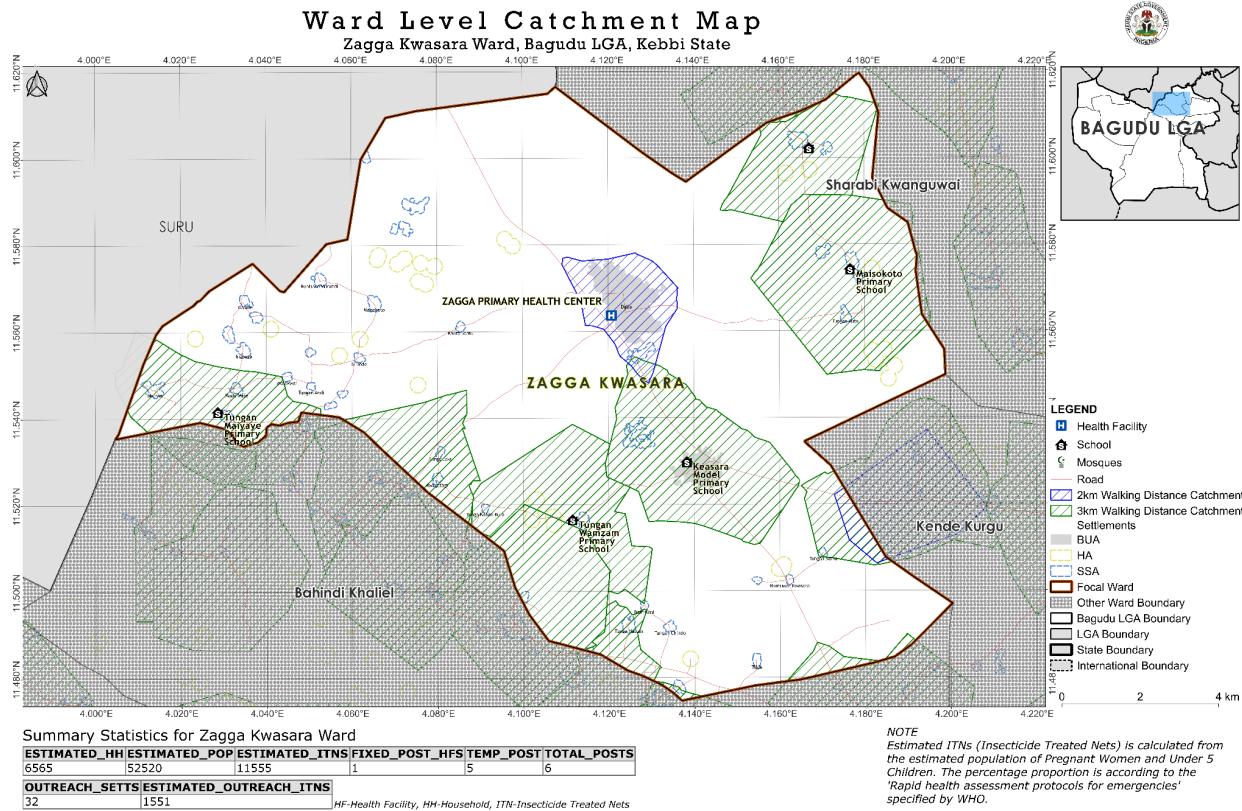
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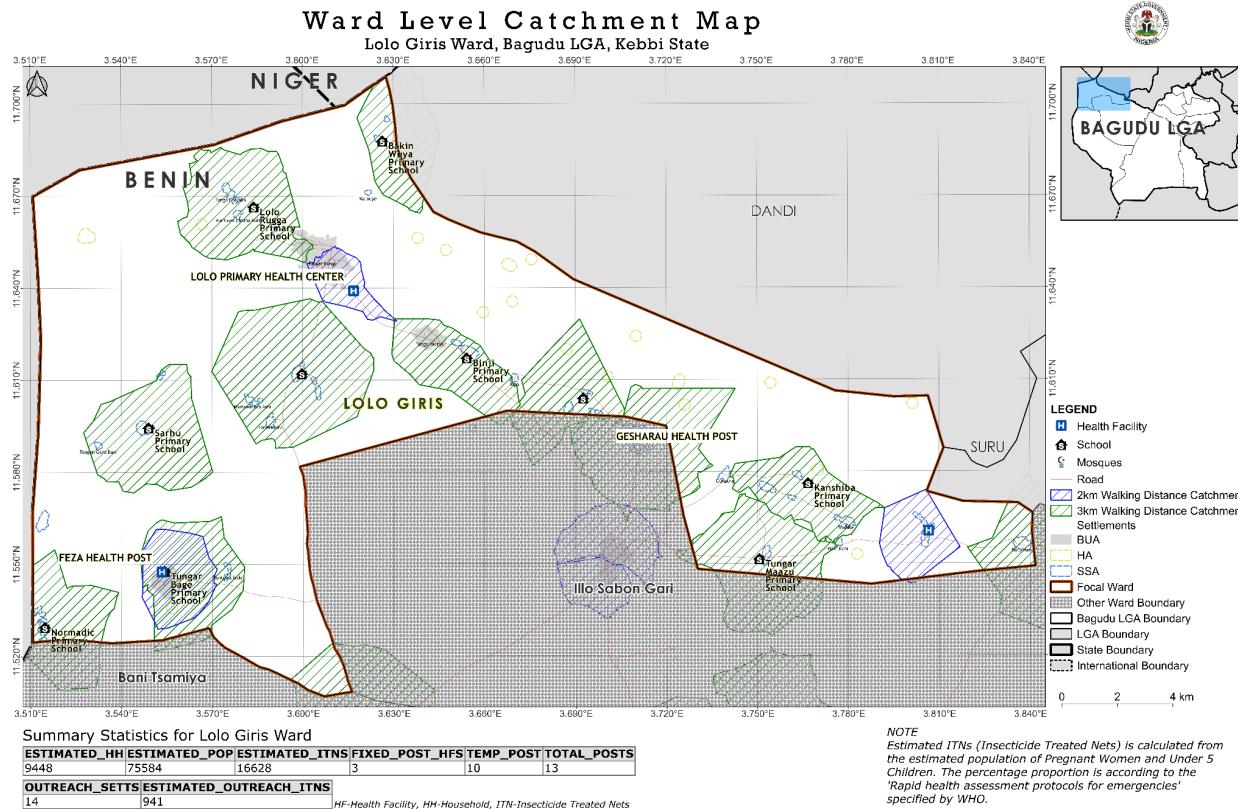
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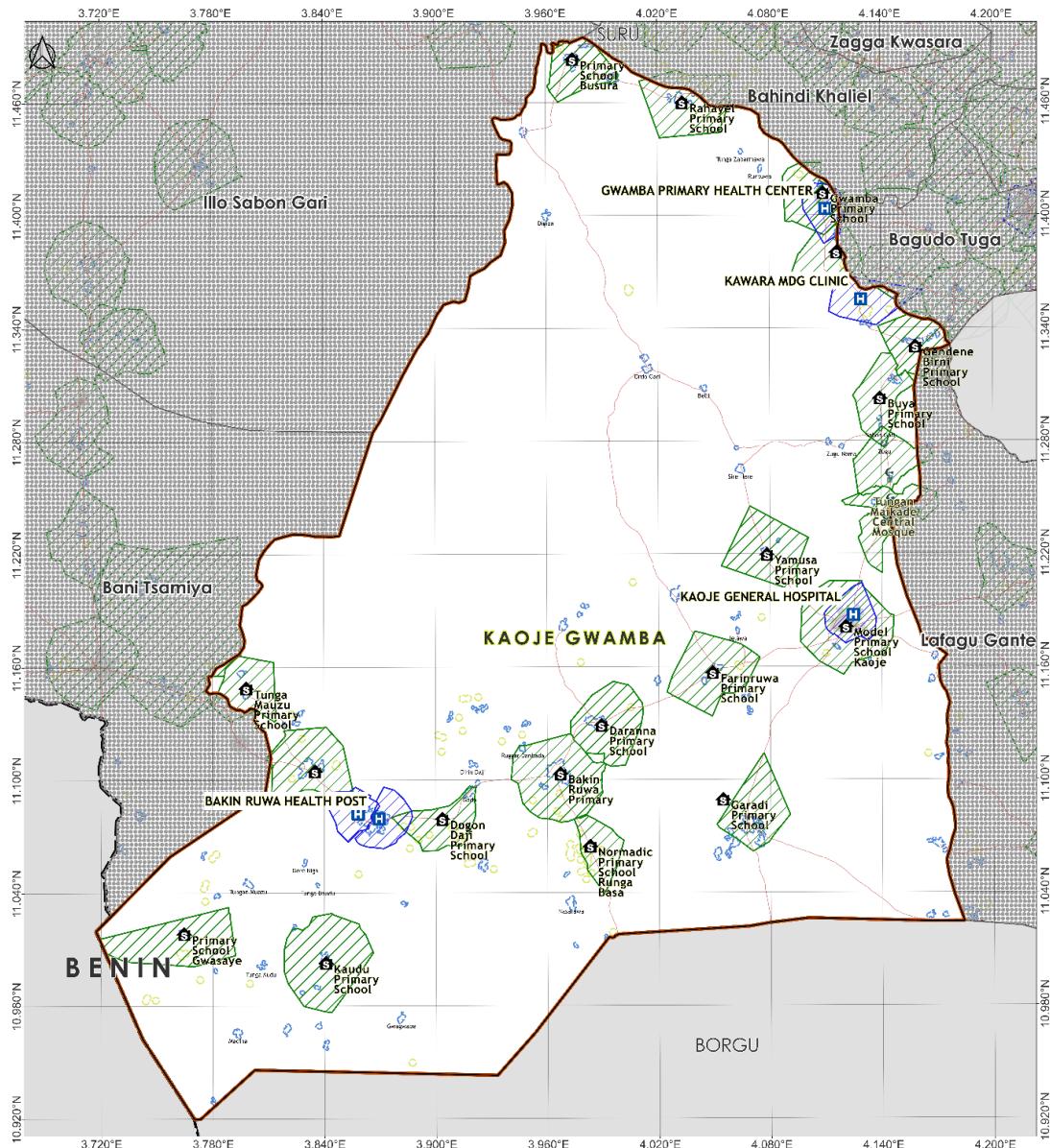
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## Ward Level Catchment Map

Kaoje Gwamba Ward, Bagudu LGA, Kebbi State



### Summary Statistics for Kaoje Gwamba LGA

ESTIMATED_HH	ESTIMATED_POP	ESTIMATED_ITNS	FIXED_POST_HFS	TEMP_POST	TOTAL_POSTS
19647	157176	34579	5	21	26
OUTREACH_SETTS	ESTIMATED_OUTREACH_ITNS				
90	5964				

HF-Health Facility, HH-Household, ITN-Insecticide Treated Nets

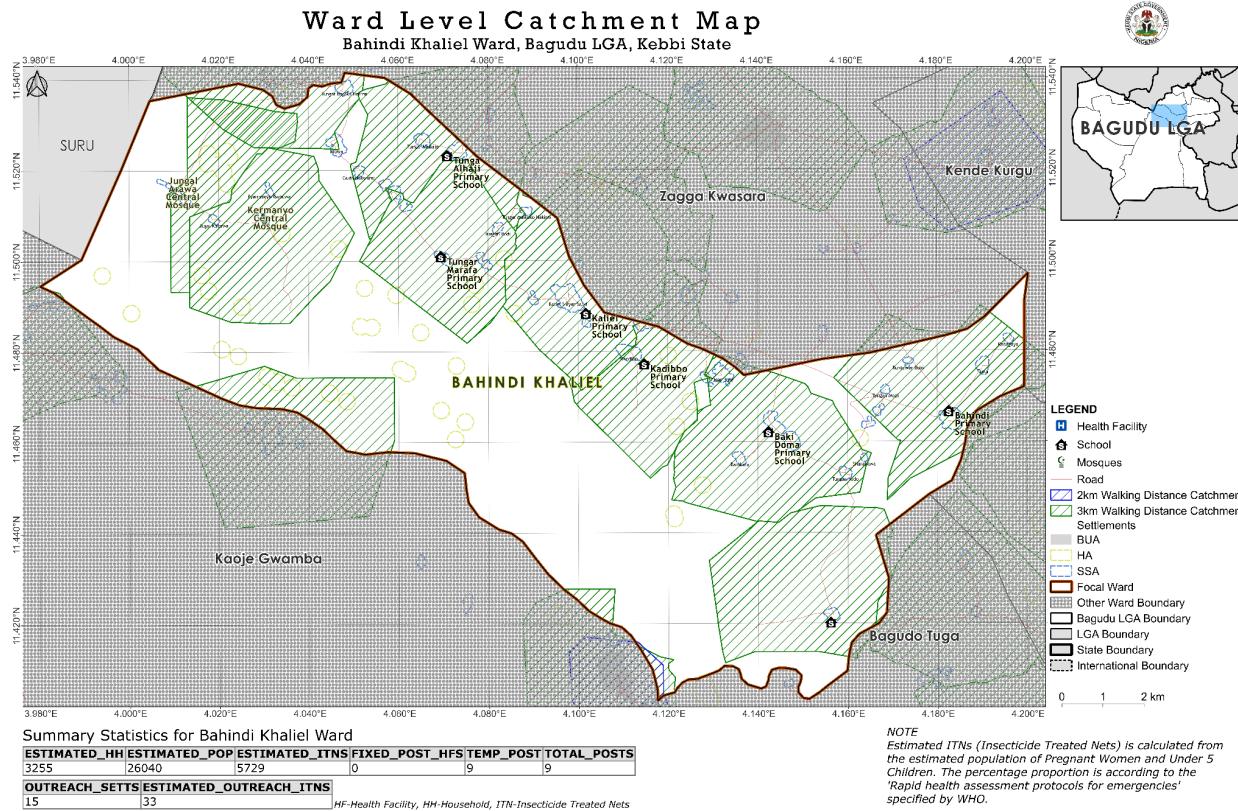
#### NOTE

Estimated ITNs (Insecticide Treated Nets) is calculated from the estimated population of Pregnant Women and Under 5 Children. The percentage proportion is according to the 'Rapid health assessment protocols for emergencies' specified by WHO.

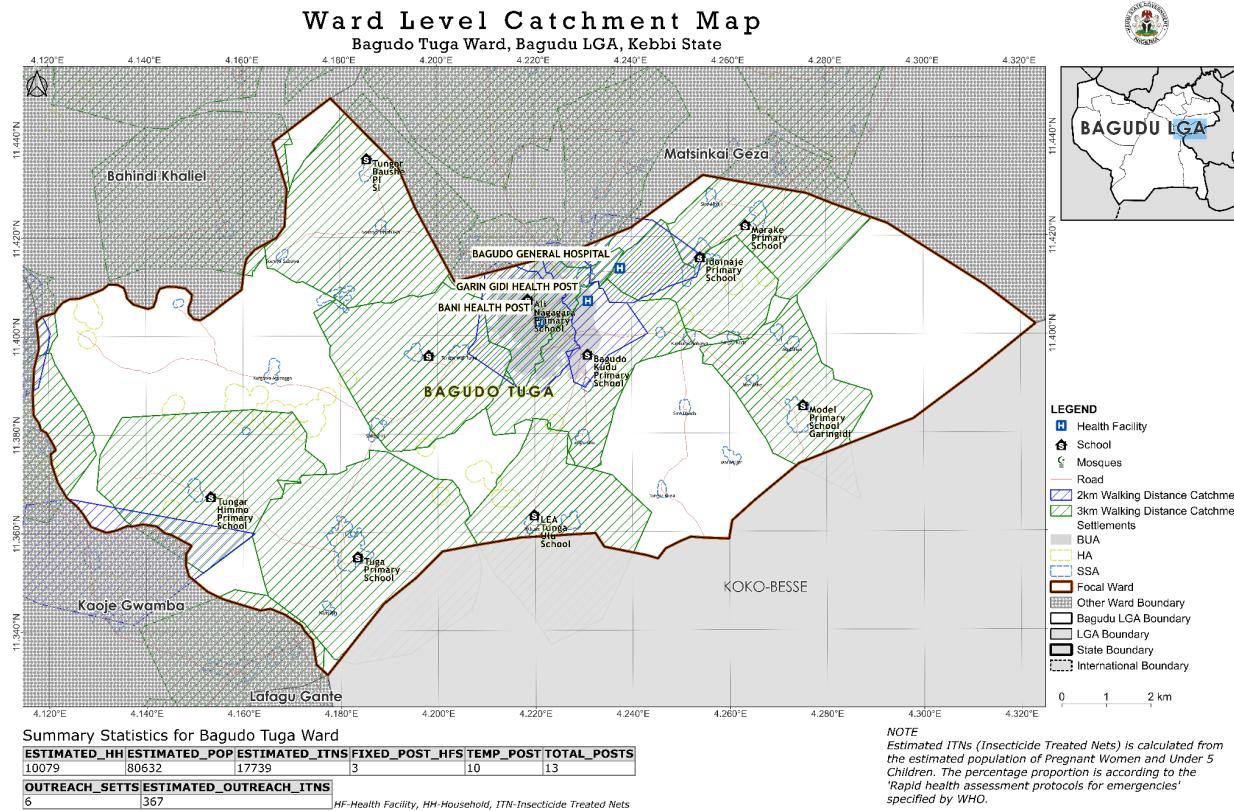
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Author: Akindipe Oluwadamilare

12/09/2023

Data Source: eHA Data Portal, GRID3 Data Hub



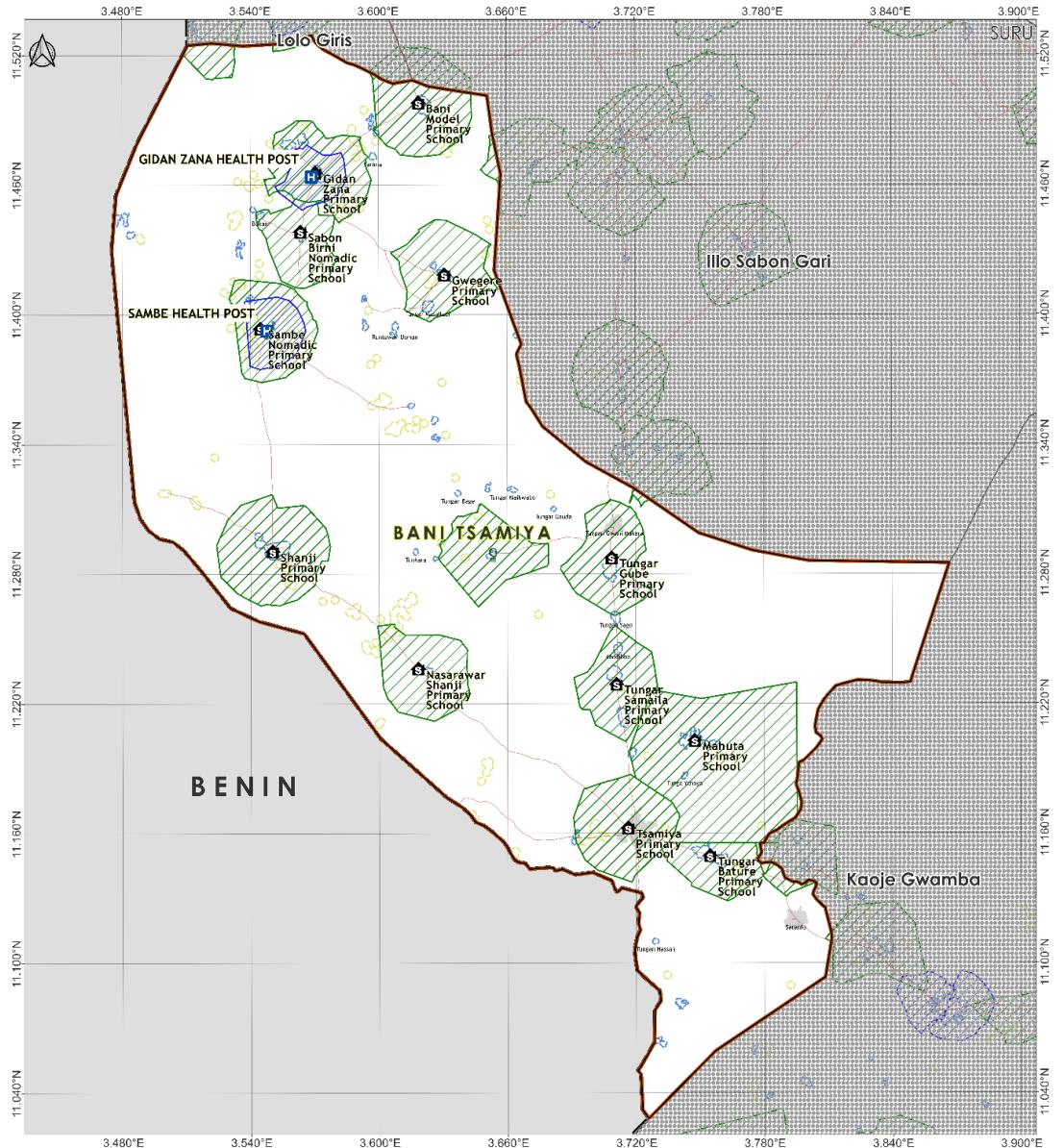
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12/09/2023  
Data Source: eHA Data Portal, GRID3 Data Hub

## Ward Level Catchment Map

Bani Tsamiya Ward, Bagudu LGA, Kebbi State



### Summary Statistics for Bani Tsamiya LGA

ESTIMATED_HH	ESTIMATED_POP	ESTIMATED_ITNS	FIXED_POST_HFS	TEMP_POST	TOTAL_POSTS
14534	116272	25580	2	13	15
OUTREACH_SETTS	ESTIMATED_OUTREACH_ITNS				
66	3983				

HF-Health Facility, HH-Household, ITN-Insecticide Treated Nets

### NOTE

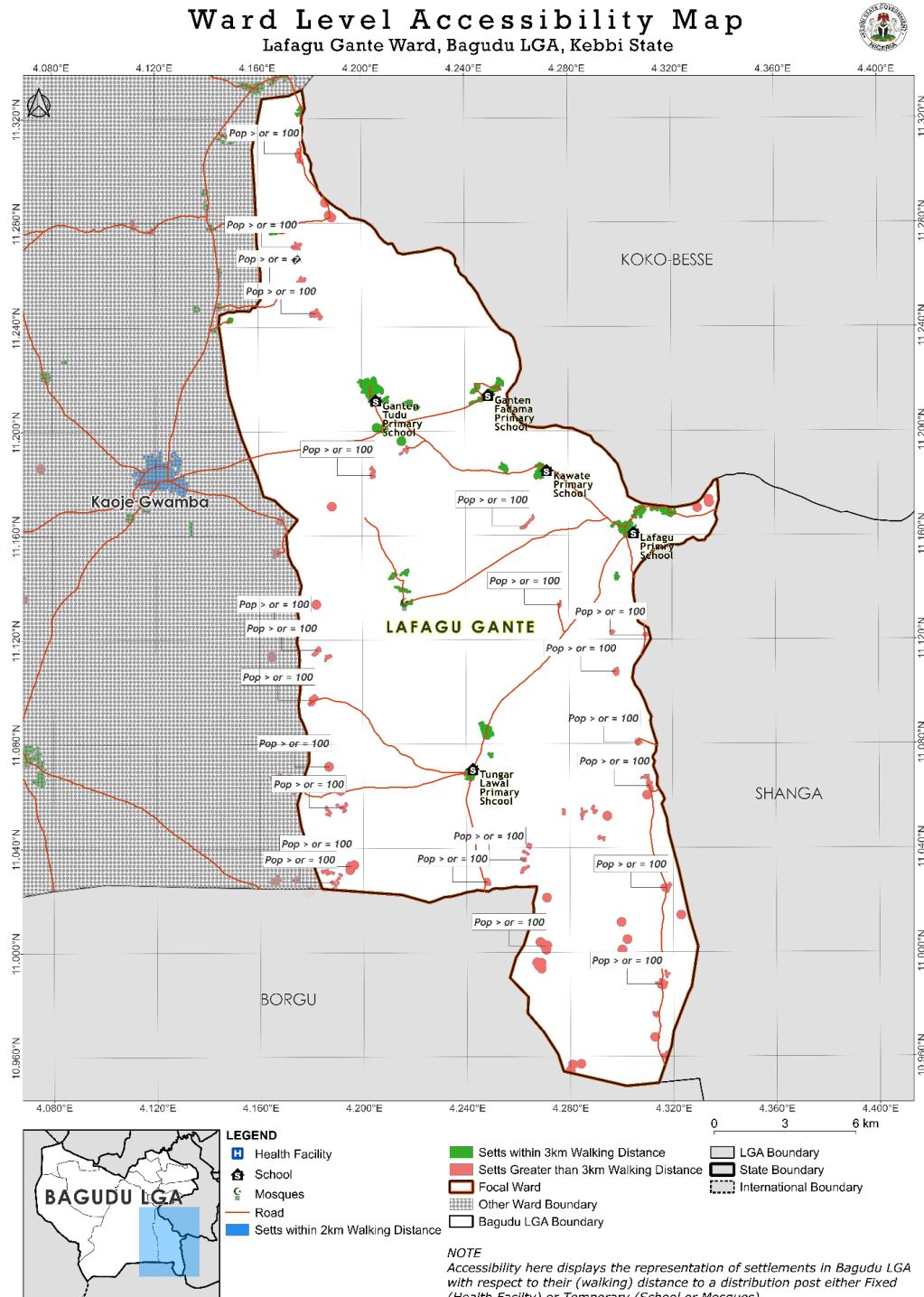
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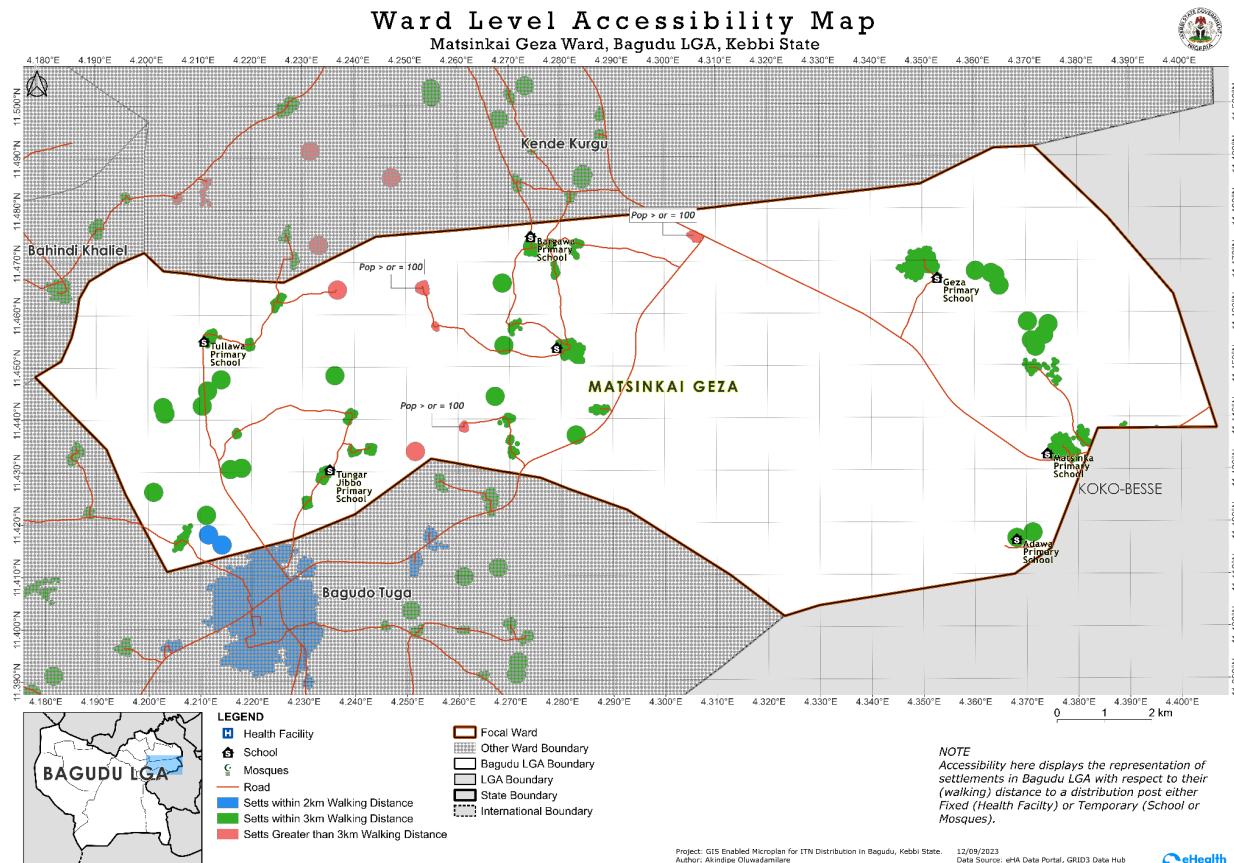
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12/09/2023

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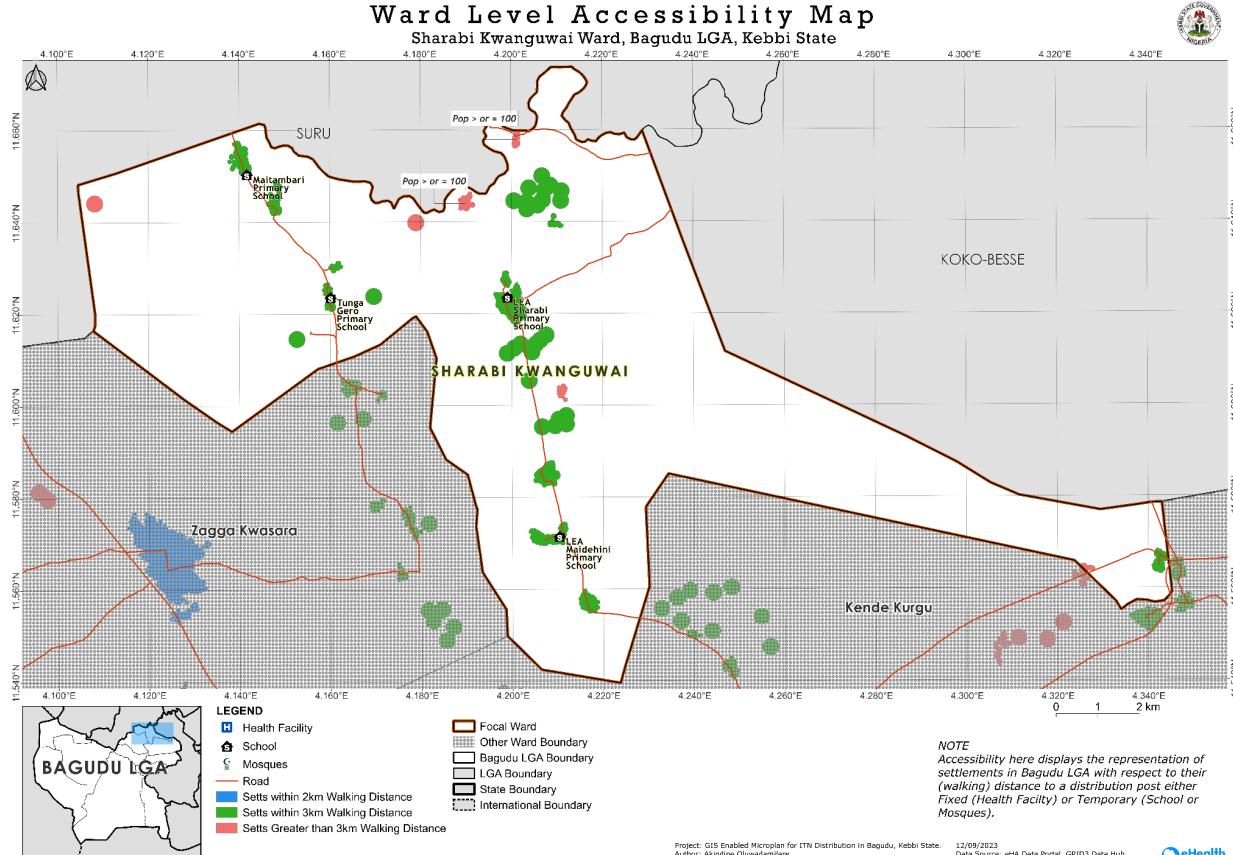
## Annex 2: Ward Level Accessibility Maps

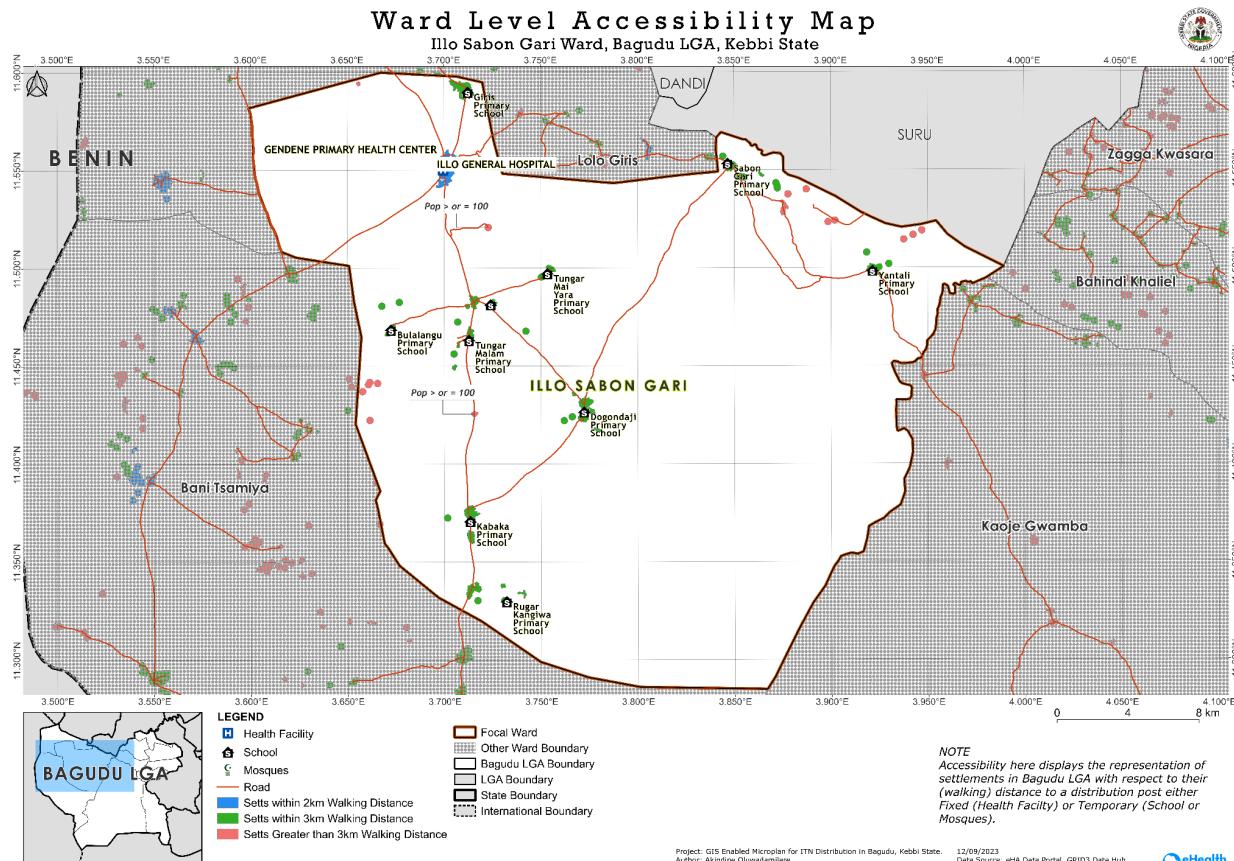


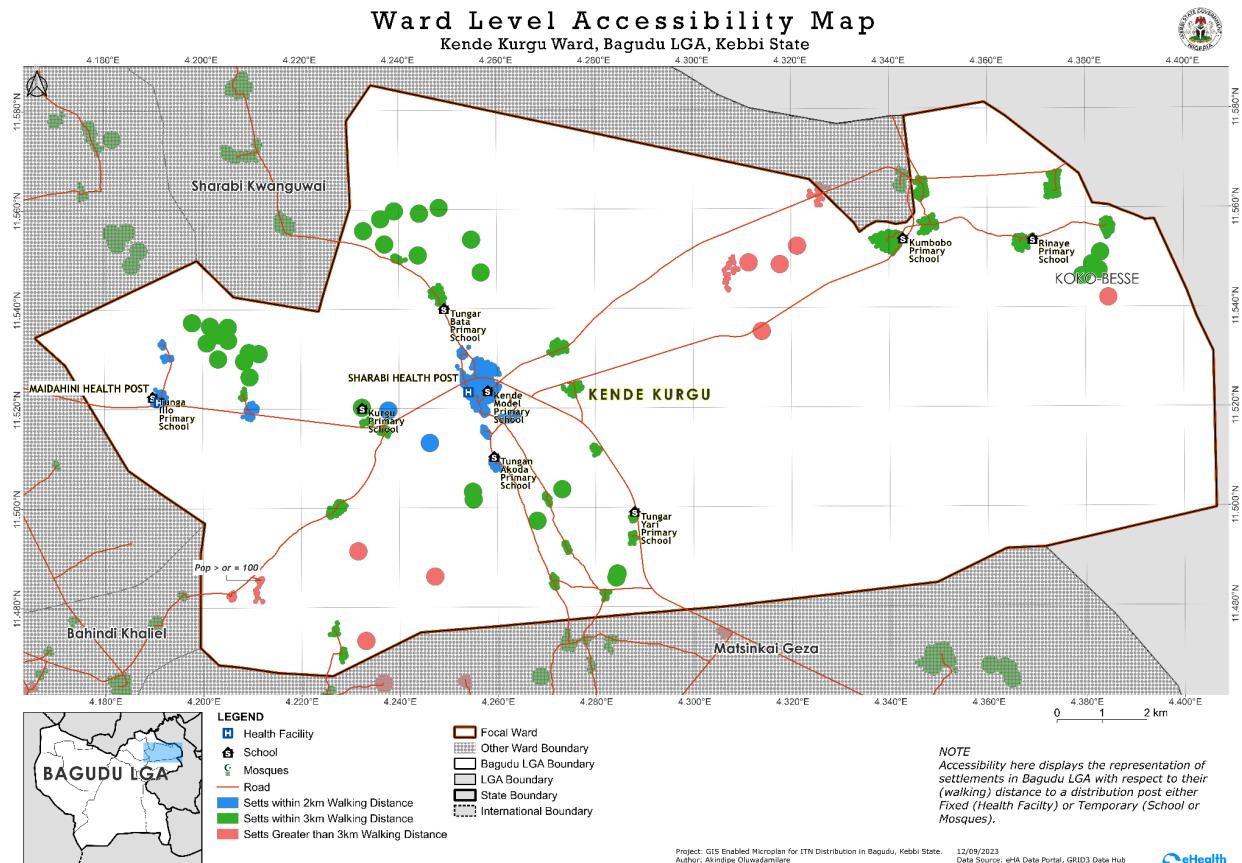


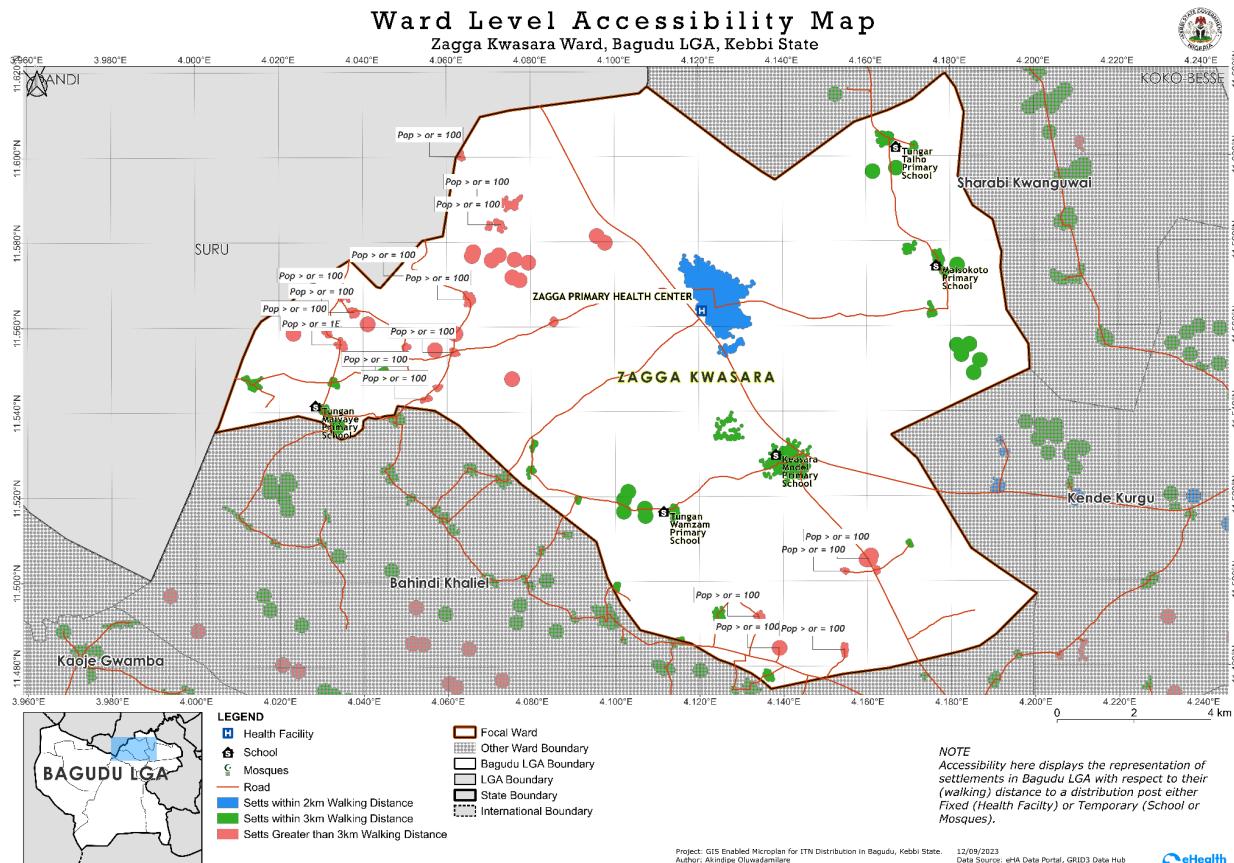
### Ward Level Accessibility Map

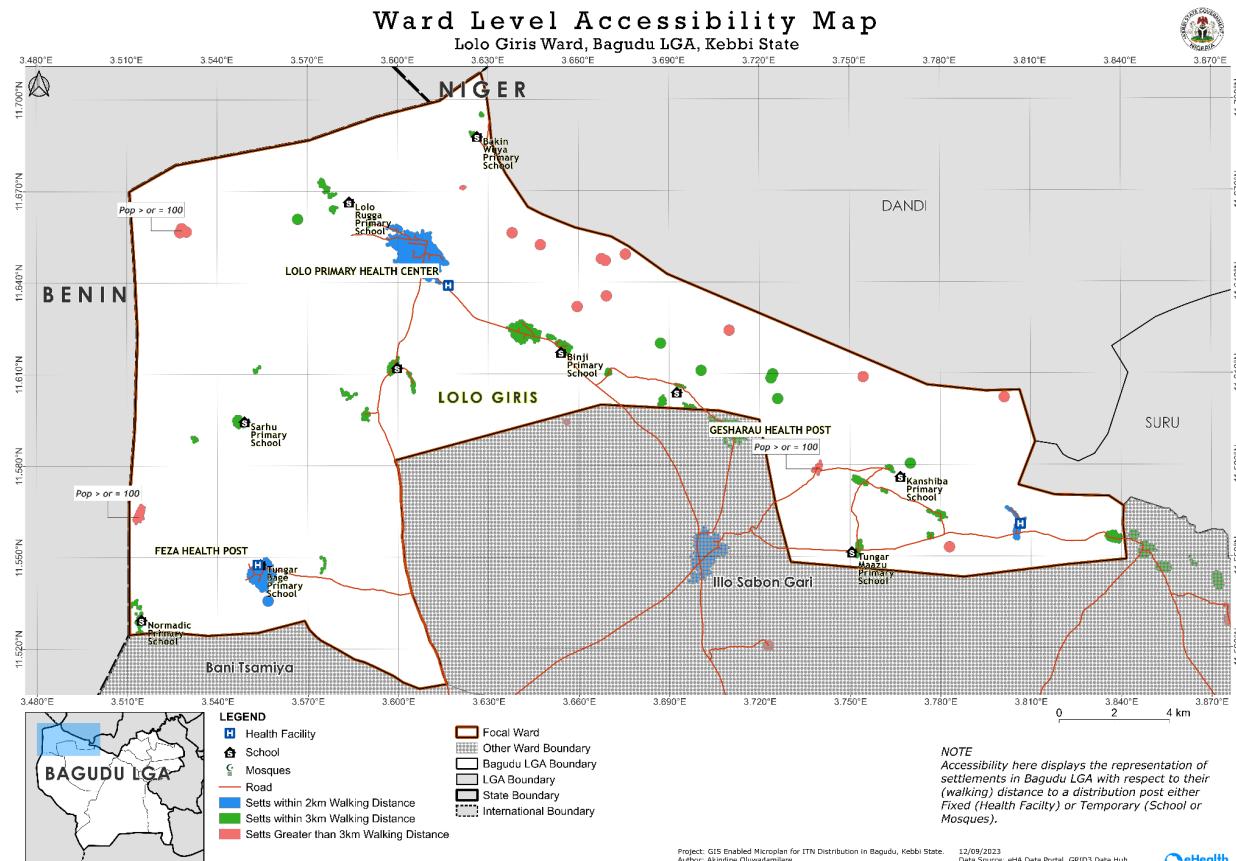
Sharabi Kwanguwai Ward, Bagudu LGA, Kebbi State





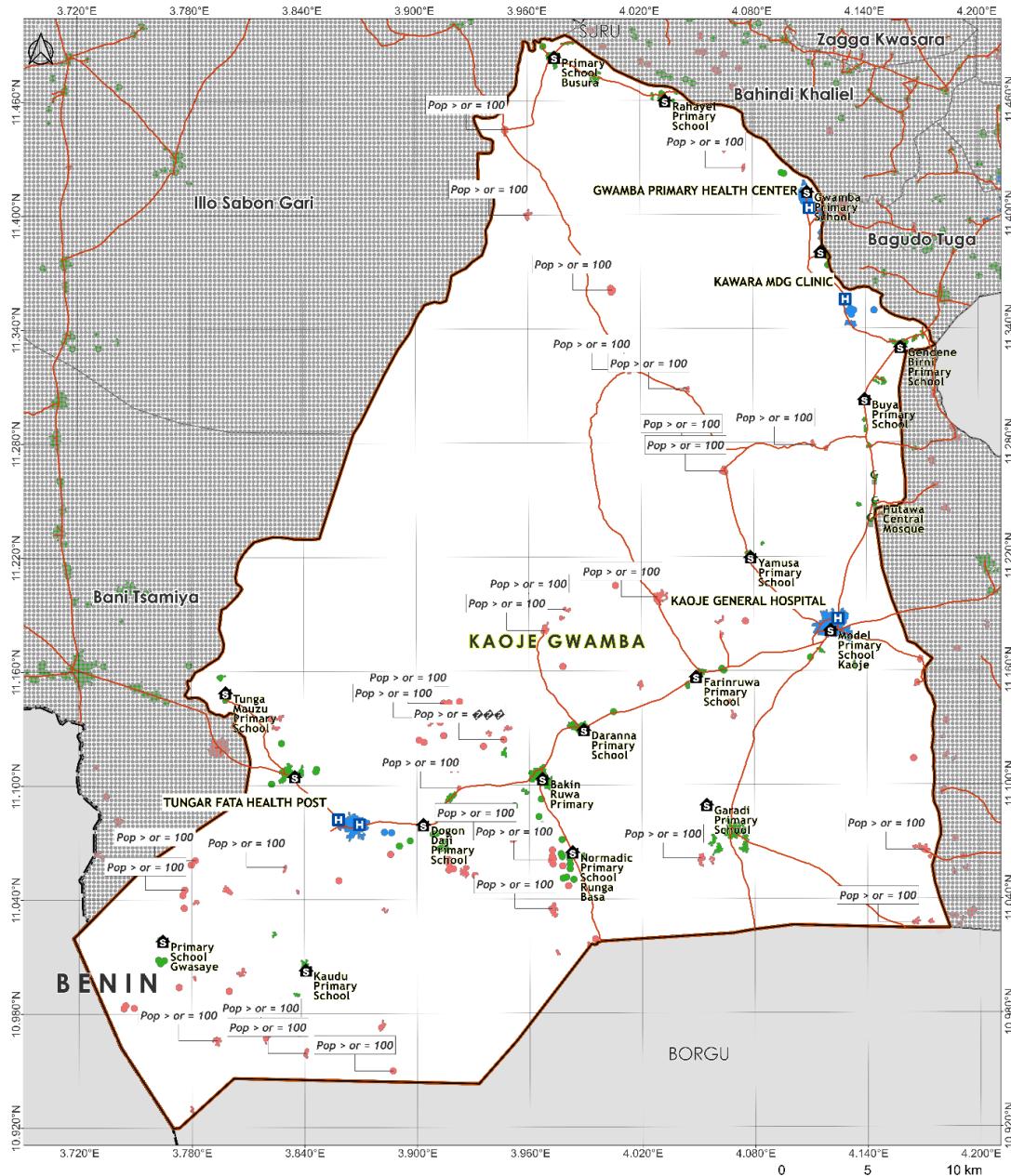






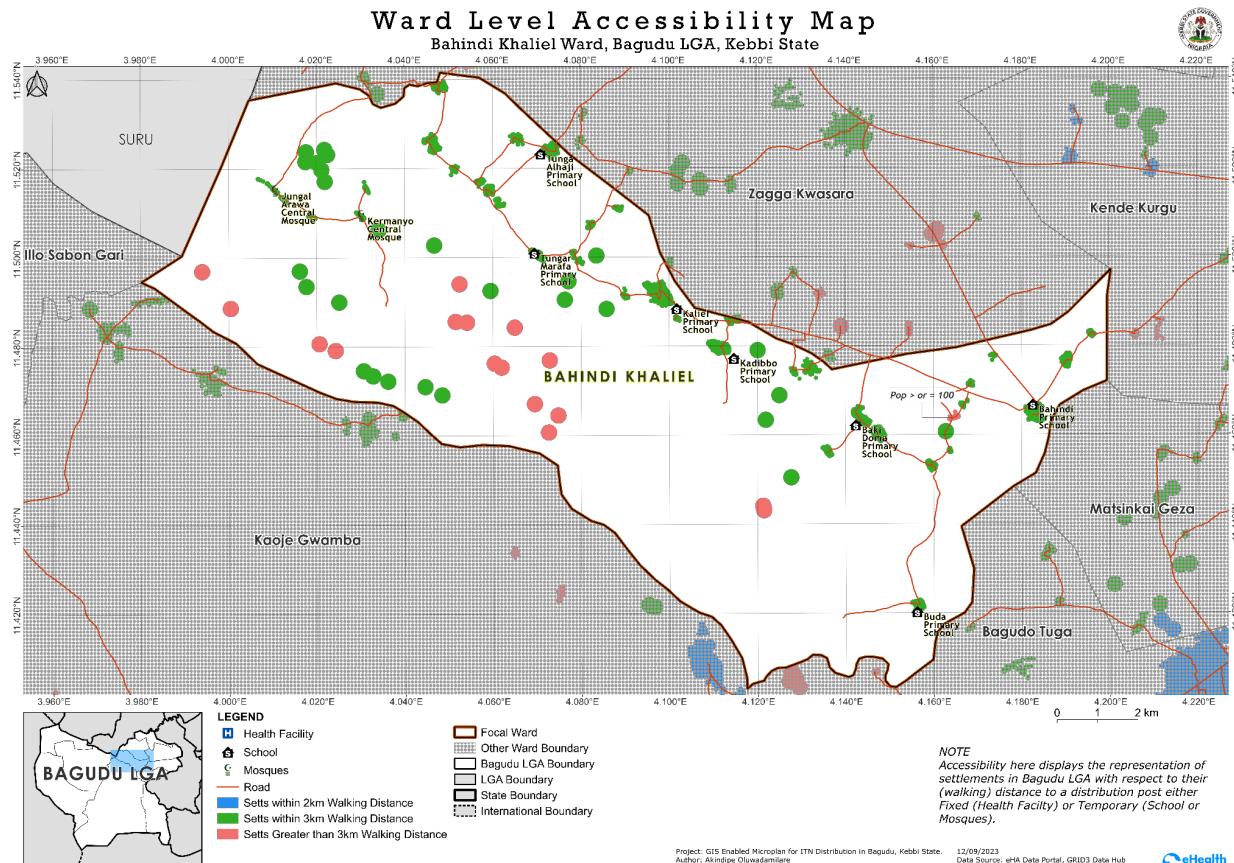
## Ward Level Accessibility Map

Kaoje Gwamba Ward, Bagudu LGA, Kebbi State



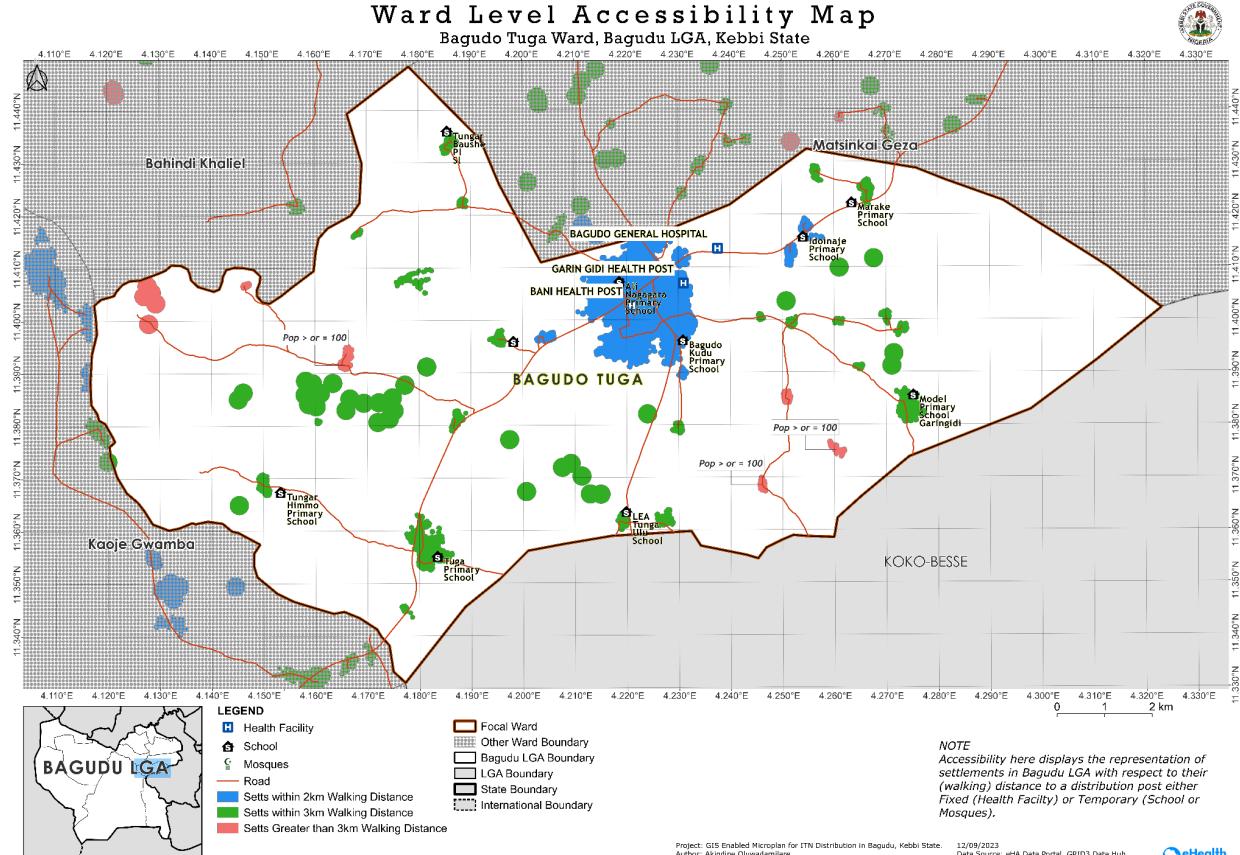
**NOTE**

Accessibility here displays the representation of settlements in Bagudu LGA with respect to their (walking) distance to a distribution post either Fixed (Health Facility) or Temporary (School or Mosques).



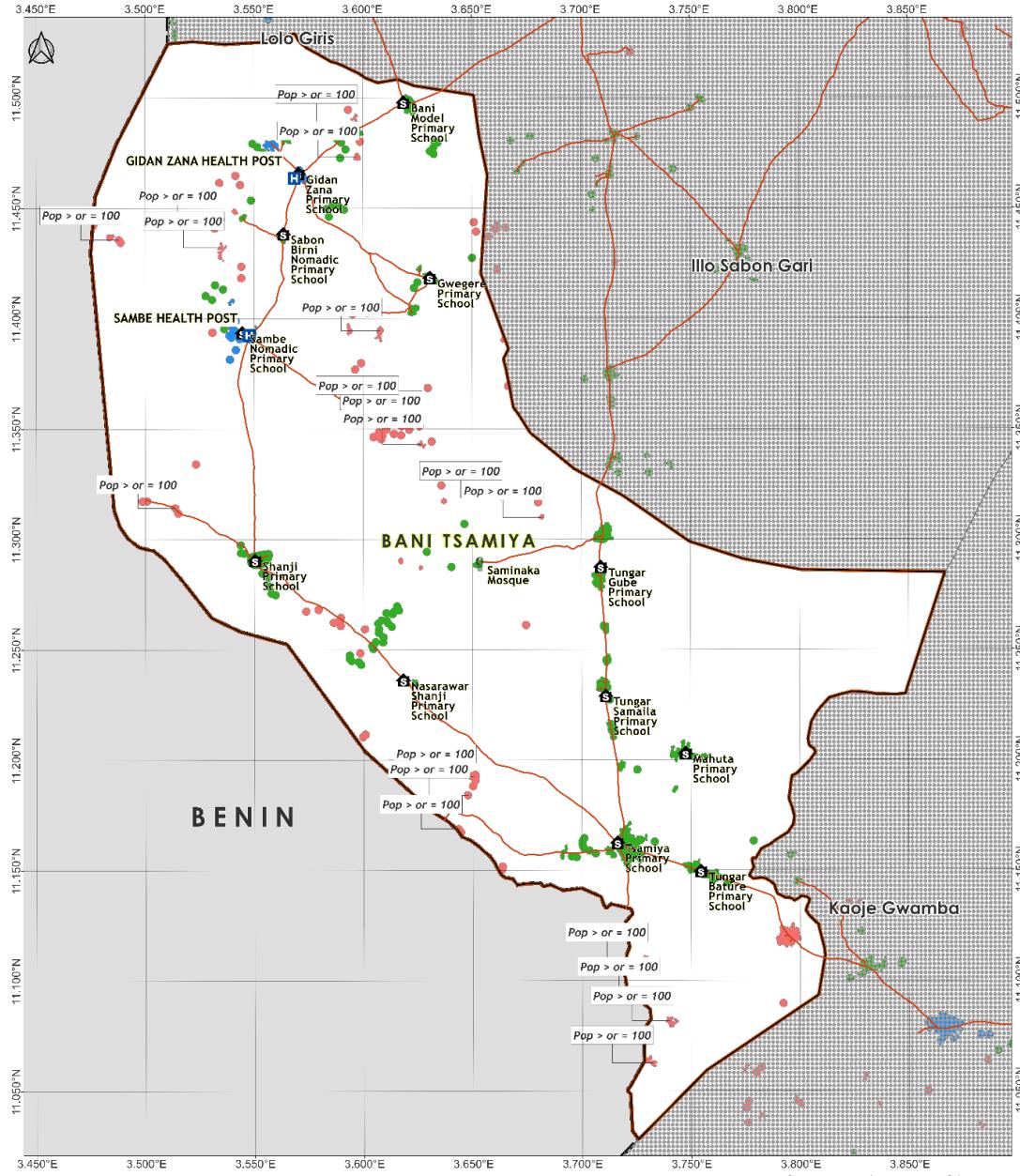
### Ward Level Accessibility Map

Bagudu Tuga Ward, Bagudu LGA, Kebbi State



## Ward Level Accessibility Map

Bani Tsamiya Ward, Bagudu LGA, Kebbi State



- LEGEND**
- Health Facility
  - School
  - Mosques
  - Road
  - Setts within 2km Walking Distance

- Setts within 3km Walking Distance
- Setts Greater than 3km Walking Distance
- Focal Ward
- Other Ward Boundary
- Bagudu LGA Boundary

**NOTE**

Accessibility here displays the representation of settlements in Bagudu LGA with respect to their (walking) distance to a distribution post either Fixed (Health Facility) or Temporary (School or Mosques).

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### Annex 3: Outreach Settlements by Ward

SN	Settlement Name	Wardname	LGA Name	Estimated HH	Estimated Pop	Catchment Status
1	HA_10	Bagudo Tuga	Bagudu	2	16	Outreach
2	Mai Mulihi	Bagudo Tuga	Bagudu	41	328	Outreach
3	Tungar Musa	Bagudo Tuga	Bagudu	43	344	Outreach
4	Tungar Nagyara	Bagudo Tuga	Bagudu	5	40	Outreach
5	Kurgawa Maizagga	Bagudo Tuga	Bagudu	40	320	Outreach
6	Sire Danda	Bagudo Tuga	Bagudu	77	616	Outreach
7	Tunga Dodo	Bahindi Khaliel	Bagudu	2	16	Outreach
8	HA_1	Bahindi Khaliel	Bagudu	1	8	Outreach
9	HA_17	Bahindi Khaliel	Bagudu	1	8	Outreach
10	Sawai	Bahindi Khaliel	Bagudu	15	120	Outreach
11	Tumga Danbaki	Bani Tsamiya	Bagudu	6	48	Outreach
12	HA_22	Bani Tsamiya	Bagudu	3	24	Outreach
13	HA_46	Bani Tsamiya	Bagudu	10	80	Outreach
14	HA_24	Bani Tsamiya	Bagudu	15	120	Outreach
15	HA_34	Bani Tsamiya	Bagudu	17	136	Outreach
16	HA_15	Bani Tsamiya	Bagudu	19	152	Outreach
17	HA_52	Bani Tsamiya	Bagudu	3	24	Outreach
18	HA_54	Bani Tsamiya	Bagudu	8	64	Outreach
19	Gulboki	Bani Tsamiya	Bagudu	16	128	Outreach
20	Tungar Bage	Bani Tsamiya	Bagudu	2	16	Outreach
21	Barebari	Bani Tsamiya	Bagudu	13	104	Outreach
22	HA_26	Bani Tsamiya	Bagudu	6	48	Outreach
23	HA_29	Bani Tsamiya	Bagudu	3	24	Outreach
24	Tungar Gubawa	Bani Tsamiya	Bagudu	54	432	Outreach
25	HA_23	Bani Tsamiya	Bagudu	5	40	Outreach
26	HA_48	Bani Tsamiya	Bagudu	19	152	Outreach
27	HA_21	Bani Tsamiya	Bagudu	11	88	Outreach

28	HA_47	Bani Tsamiya	Bagudu	2	16	Outreach
29	HA_8	Bani Tsamiya	Bagudu	20	160	Outreach
30	Tungar Boka	Bani Tsamiya	Bagudu	39	312	Outreach
31	Ruggar Digwal	Bani Tsamiya	Bagudu	28	224	Outreach
32	T Rugga Bande	Bani Tsamiya	Bagudu	34	272	Outreach
33	Tunga Tambaya	Bani Tsamiya	Bagudu	9	72	Outreach
34	Nafana	Bani Tsamiya	Bagudu	6	48	Outreach
35	Maidoki	Bani Tsamiya	Bagudu	9	72	Outreach
36	HA_12	Bani Tsamiya	Bagudu	11	88	Outreach
37	Ruggar Dikko	Bani Tsamiya	Bagudu	13	104	Outreach
38	HA_28	Bani Tsamiya	Bagudu	1	8	Outreach
39	HA_16	Bani Tsamiya	Bagudu	3	24	Outreach
40	HA_13	Bani Tsamiya	Bagudu	4	32	Outreach
41	Saranfo	Bani Tsamiya	Bagudu	902	7216	Outreach
42	SSA_18045	Bani Tsamiya	Bagudu	64	512	Outreach
43	SSA_18102	Bani Tsamiya	Bagudu	58	464	Outreach
44	SSA_18129	Bani Tsamiya	Bagudu	50	400	Outreach
45	Tungar Dauda	Bani Tsamiya	Bagudu	17	136	Outreach
46	Runtuwan Bako	Bani Tsamiya	Bagudu	17	136	Outreach
47	Tungan Bage	Bani Tsamiya	Bagudu	29	232	Outreach
48	Tungar Zubairu	Bani Tsamiya	Bagudu	58	464	Outreach
49	Tungan Hassan	Bani Tsamiya	Bagudu	64	512	Outreach
50	Tungar Wanzam	Bani Tsamiya	Bagudu	22	176	Outreach
51	Tunkara	Bani Tsamiya	Bagudu	45	360	Outreach
52	Tungar Maikwabo	Bani Tsamiya	Bagudu	35	280	Outreach
53	Samba	Bani Tsamiya	Bagudu	57	456	Outreach
54	Annashuwa	Bani Tsamiya	Bagudu	69	552	Outreach
55	Runtuwan Usman	Bani Tsamiya	Bagudu	55	440	Outreach
56	Tunga Goge	Bani Tsamiya	Bagudu	78	624	Outreach
57	Tahunna	Bani Tsamiya	Bagudu	24	192	Outreach
58	Ruggar Macca	Bani Tsamiya	Bagudu	29	232	Outreach
59	Runtuwo Annashuwa	Bani Tsamiya	Bagudu	14	112	Outreach

60	Yarima	Bani Tsamiya	Bagudu	45	360	Outreach
61	Tunga Kalgo	Bani Tsamiya	Bagudu	53	424	Outreach
62	Runtuwan Fulani	Bani Tsamiya	Bagudu	15	120	Outreach
63	Tungan boka	Bani Tsamiya	Bagudu	22	176	Outreach
64	HA_27	Illo Sabon Gari	Bagudu	5	40	Outreach
65	Mazauni	Illo Sabon Gari	Bagudu	8	64	Outreach
	Tunga Arawa					
66	Karama	Illo Sabon Gari	Bagudu	17	136	Outreach
67	Aci Awatse	Illo Sabon Gari	Bagudu	1	8	Outreach
68	Tunga Hantsi	Illo Sabon Gari	Bagudu	1	8	Outreach
69	HA_12	Illo Sabon Gari	Bagudu	5	40	Outreach
70	Sukunde	Illo Sabon Gari	Bagudu	2	16	Outreach
71	Tungan Kwango	Illo Sabon Gari	Bagudu	1	8	Outreach
72	HA_10	Illo Sabon Gari	Bagudu	8	64	Outreach
73	Tungan Abba	Illo Sabon Gari	Bagudu	1	8	Outreach
74	Runtuwa Mandi	Illo Sabon Gari	Bagudu	16	128	Outreach
75	Tungan Latto	Illo Sabon Gari	Bagudu	158	1264	Outreach
76	Tunga Namaiwa	Illo Sabon Gari	Bagudu	78	624	Outreach
77	Kwana	Kaoje Gwamba	Bagudu	35	280	Outreach
78	Tunga Dare	Kaoje Gwamba	Bagudu	5	40	Outreach
79	HA_34	Kaoje Gwamba	Bagudu	4	32	Outreach
80	Yalwuwa	Kaoje Gwamba	Bagudu	17	136	Outreach
81	Garin Tsanya	Kaoje Gwamba	Bagudu	19	152	Outreach
82	HA_4	Kaoje Gwamba	Bagudu	7	56	Outreach
83	HA_31	Kaoje Gwamba	Bagudu	7	56	Outreach
84	HA_1	Kaoje Gwamba	Bagudu	14	112	Outreach
85	HA_32	Kaoje Gwamba	Bagudu	14	112	Outreach
86	HA_45	Kaoje Gwamba	Bagudu	17	136	Outreach
87	Tungar Kuka	Kaoje Gwamba	Bagudu	14	112	Outreach
88	Chikama	Kaoje Gwamba	Bagudu	20	160	Outreach
89	HA_13	Kaoje Gwamba	Bagudu	39	312	Outreach
90	Bakoshi	Kaoje Gwamba	Bagudu	19	152	Outreach

91	HA_5	Kaoje Gwamba	Bagudu	9	72	Outreach
92	HA_40	Kaoje Gwamba	Bagudu	17	136	Outreach
93	Daransi	Kaoje Gwamba	Bagudu	42	336	Outreach
94	Wadata	Kaoje Gwamba	Bagudu	6	48	Outreach
95	HA_29	Kaoje Gwamba	Bagudu	5	40	Outreach
96	HA_9	Kaoje Gwamba	Bagudu	21	168	Outreach
97	HA_38	Kaoje Gwamba	Bagudu	10	80	Outreach
98	Ganjo	Kaoje Gwamba	Bagudu	19	152	Outreach
99	HA_41	Kaoje Gwamba	Bagudu	2	16	Outreach
100	Ruggar Maccido	Kaoje Gwamba	Bagudu	7	56	Outreach
101	HA_8	Kaoje Gwamba	Bagudu	18	144	Outreach
102	Mai Aya Aya	Kaoje Gwamba	Bagudu	18	144	Outreach
103	Jelawa	Kaoje Gwamba	Bagudu	49	392	Outreach
	Tungan					
104	Muhammadu	Kaoje Gwamba	Bagudu	24	192	Outreach
105	Belli	Kaoje Gwamba	Bagudu	26	208	Outreach
106	Tunga Zabarmawa	Kaoje Gwamba	Bagudu	16	128	Outreach
107	SSA_27103	Kaoje Gwamba	Bagudu	9	72	Outreach
108	SSA_17980	Kaoje Gwamba	Bagudu	18	144	Outreach
109	SSA_17990	Kaoje Gwamba	Bagudu	34	272	Outreach
110	SSA_17992	Kaoje Gwamba	Bagudu	18	144	Outreach
111	SSA_17993	Kaoje Gwamba	Bagudu	17	136	Outreach
112	SSA_18006	Kaoje Gwamba	Bagudu	39	312	Outreach
113	SSA_18008	Kaoje Gwamba	Bagudu	39	312	Outreach
114	SSA_18013	Kaoje Gwamba	Bagudu	21	168	Outreach
115	SSA_18026	Kaoje Gwamba	Bagudu	16	128	Outreach
116	SSA_18029	Kaoje Gwamba	Bagudu	99	792	Outreach
117	SSA_18038	Kaoje Gwamba	Bagudu	29	232	Outreach
118	SSA_18047	Kaoje Gwamba	Bagudu	27	216	Outreach
119	SSA_18052	Kaoje Gwamba	Bagudu	21	168	Outreach
120	SSA_18054	Kaoje Gwamba	Bagudu	31	248	Outreach
121	SSA_18055	Kaoje Gwamba	Bagudu	69	552	Outreach

122	SSA_18058	Kaoje Gwamba	Bagudu	30	240	Outreach
123	SSA_18061	Kaoje Gwamba	Bagudu	12	96	Outreach
124	SSA_18070	Kaoje Gwamba	Bagudu	61	488	Outreach
125	SSA_18071	Kaoje Gwamba	Bagudu	25	200	Outreach
126	SSA_18073	Kaoje Gwamba	Bagudu	78	624	Outreach
127	SSA_18094	Kaoje Gwamba	Bagudu	5	40	Outreach
128	SSA_18105	Kaoje Gwamba	Bagudu	16	128	Outreach
129	SSA_18163	Kaoje Gwamba	Bagudu	43	344	Outreach
130	SSA_18167	Kaoje Gwamba	Bagudu	26	208	Outreach
131	SSA_17989	Kaoje Gwamba	Bagudu	3	24	Outreach
132	Tungan Kawo	Kaoje Gwamba	Bagudu	175	1400	Outreach
133	Tunga Buzu	Kaoje Gwamba	Bagudu	57	456	Outreach
134	Tunga Maisaje	Kaoje Gwamba	Bagudu	77	616	Outreach
135	Nasarawa	Kaoje Gwamba	Bagudu	135	1080	Outreach
136	Gidan Gida	Kaoje Gwamba	Bagudu	61	488	Outreach
137	Birinna	Kaoje Gwamba	Bagudu	42	336	Outreach
138	T Auta	Kaoje Gwamba	Bagudu	6	48	Outreach
139	Dirin Daji	Kaoje Gwamba	Bagudu	12	96	Outreach
140	Dikko Kwatte	Kaoje Gwamba	Bagudu	15	120	Outreach
141	Tunga Daudu	Kaoje Gwamba	Bagudu	9	72	Outreach
142	Gore Biga	Kaoje Gwamba	Bagudu	42	336	Outreach
143	Tunga Audu	Kaoje Gwamba	Bagudu	32	256	Outreach
144	Gwagwabe	Kaoje Gwamba	Bagudu	45	360	Outreach
145	Madina	Kaoje Gwamba	Bagudu	34	272	Outreach
146	Tungan Muazu	Kaoje Gwamba	Bagudu	64	512	Outreach
147	Maizana Keteran Guru	Kaoje Gwamba	Bagudu	165	1320	Outreach
148	Zugu Janna	Kaoje Gwamba	Bagudu	12	96	Outreach
149	Digiza	Kaoje Gwamba	Bagudu	58	464	Outreach
150	Gelkewi	Kaoje Gwamba	Bagudu	128	1024	Outreach
151	Orda Magajin Gari	Kaoje Gwamba	Bagudu	126	1008	Outreach
152	Ordo Gari	Kaoje Gwamba	Bagudu	94	752	Outreach

153	Sire Here	Kaoje Gwamba	Bagudu	141	1128	Outreach
154	Karan Naje	Kaoje Gwamba	Bagudu	372	2976	Outreach
155	Zugu Ardo	Kaoje Gwamba	Bagudu	50	400	Outreach
156	Zugu Noma	Kaoje Gwamba	Bagudu	41	328	Outreach
157	Runtuwa	Kaoje Gwamba	Bagudu	49	392	Outreach
158	SSA_17971	Kaoje Gwamba	Bagudu	11	88	Outreach
159	SSA_18097	Kaoje Gwamba	Bagudu	8	64	Outreach
160	Sire Namata	Kende Kurgu	Bagudu	4	32	Outreach
161	HA_10	Kende Kurgu	Bagudu	3	24	Outreach
162	Ruhan Dutsi	Kende Kurgu	Bagudu	5	40	Outreach
163	HA_7	Kende Kurgu	Bagudu	3	24	Outreach
164	HA_1	Kende Kurgu	Bagudu	1	8	Outreach
165	Rugga Iya	Kende Kurgu	Bagudu	15	120	Outreach
166	Hukka	Kende Kurgu	Bagudu	14	112	Outreach
167	SSA_22387	Kende Kurgu	Bagudu	4	32	Outreach
168	Tungar Jodi	Lafagu Gante	Bagudu	5	40	Outreach
169	HA_8	Lafagu Gante	Bagudu	1	8	Outreach
170	HA_12	Lafagu Gante	Bagudu	2	16	Outreach
171	Tunga Alhaji Gero	Lafagu Gante	Bagudu	16	128	Outreach
172	Ruggan Fulani	Lafagu Gante	Bagudu	39	312	Outreach
173	Inwala	Lafagu Gante	Bagudu	4	32	Outreach
174	Gidan Suda	Lafagu Gante	Bagudu	3	24	Outreach
175	Hoho	Lafagu Gante	Bagudu	1	8	Outreach
176	Bargawa	Lafagu Gante	Bagudu	39	312	Outreach
177	HA_2	Lafagu Gante	Bagudu	6	48	Outreach
178	Tunga Bahago	Lafagu Gante	Bagudu	9	72	Outreach
179	T Banmu	Lafagu Gante	Bagudu	9	72	Outreach
180	Sarikawa	Lafagu Gante	Bagudu	1	8	Outreach
181	HA_1	Lafagu Gante	Bagudu	7	56	Outreach
182	Tunga Anini	Lafagu Gante	Bagudu	49	392	Outreach
183	Tunga Kade	Lafagu Gante	Bagudu	32	256	Outreach
184	Arawa	Lafagu Gante	Bagudu	46	368	Outreach

185	SSA_21364	Lafagu Gante	Bagudu	9	72	Outreach
186	Tungan Girma	Lafagu Gante	Bagudu	25	200	Outreach
187	Tunga Baleri	Lafagu Gante	Bagudu	10	80	Outreach
188	SSA_21320	Lafagu Gante	Bagudu	51	408	Outreach
189	SSA_21348	Lafagu Gante	Bagudu	5	40	Outreach
190	SSA_21349	Lafagu Gante	Bagudu	5	40	Outreach
191	SSA_21352	Lafagu Gante	Bagudu	5	40	Outreach
192	Tungar Daurayi	Lafagu Gante	Bagudu	20	160	Outreach
193	Jippere Mashaya	Lafagu Gante	Bagudu	112	896	Outreach
194	Tungan Nabage	Lafagu Gante	Bagudu	45	360	Outreach
195	Jippere Tudu	Lafagu Gante	Bagudu	115	920	Outreach
196	Taka Lafiya Mashaya	Lafagu Gante	Bagudu	66	528	Outreach
197	Gawasu	Lafagu Gante	Bagudu	56	448	Outreach
198	Tungan Loko	Lafagu Gante	Bagudu	18	144	Outreach
199	Tunga Maraye	Lafagu Gante	Bagudu	7	56	Outreach
200	Dakake	Lafagu Gante	Bagudu	22	176	Outreach
201	T Kambari	Lafagu Gante	Bagudu	6	48	Outreach
202	Tungar Faila	Lafagu Gante	Bagudu	62	496	Outreach
203	Gungun Hoge	Lafagu Gante	Bagudu	18	144	Outreach
204	Dogon Rini	Lafagu Gante	Bagudu	38	304	Outreach
205	Gusau A	Lafagu Gante	Bagudu	76	608	Outreach
206	Tunga Noma Jamba	Lafagu Gante	Bagudu	4	32	Outreach
207	T Danjuma	Lafagu Gante	Bagudu	19	152	Outreach
208	Tungan Labbo	Lafagu Gante	Bagudu	46	368	Outreach
209	Tunga Jodi	Lafagu Gante	Bagudu	44	352	Outreach
210	SSA_21482	Lafagu Gante	Bagudu	10	80	Outreach
211	Gidan Isyaka	Lafagu Gante	Bagudu	9	72	Outreach
212	Tunga Zuga	Lafagu Gante	Bagudu	157	1256	Outreach
213	Wahanu	Lafagu Gante	Bagudu	88	704	Outreach
214	SSA_21370	Lafagu Gante	Bagudu	19	152	Outreach
215	SSA_21355	Lafagu Gante	Bagudu	5	40	Outreach
216	SSA_21357	Lafagu Gante	Bagudu	8	64	Outreach

217	Tungan Dobi	Lolo Giris	Bagudu	3	24	Outreach
218	Asarara	Lolo Giris	Bagudu	1	8	Outreach
219	Nafa	Lolo Giris	Bagudu	53	424	Outreach
220	Tungan Tutu Atta	Lolo Giris	Bagudu	1	8	Outreach
221	Malauye	Lolo Giris	Bagudu	4	32	Outreach
222	SSA_17784	Lolo Giris	Bagudu	364	2912	Outreach
223	Gungure	Lolo Giris	Bagudu	109	872	Outreach
224	Dankayaye	Matsinkai Geza	Bagudu	7	56	Outreach
225	Bawundiri	Matsinkai Geza	Bagudu	42	336	Outreach
226	Asarara	Matsinkai Geza	Bagudu	7	56	Outreach
227	Mamgalo	Matsinkai Geza	Bagudu	17	136	Outreach
228	Kwanar Bagudo	Matsinkai Geza	Bagudu	13	104	Outreach
229	SSA_22414	Sharabi Kwanguwai	Bagudu	17	136	Outreach
230	Garin Shanga	Sharabi Kwanguwai	Bagudu	30	240	Outreach
231	SSA_22397	Sharabi Kwanguwai	Bagudu	41	328	Outreach
	Shiyar Ubandawaki					
232	Alhaji	Zagga Kwasara	Bagudu	16	128	Outreach
233	Tungan Dabai	Zagga Kwasara	Bagudu	12	96	Outreach
234	Runtuwo Bammo	Zagga Kwasara	Bagudu	24	192	Outreach
235	Tungan Laila	Zagga Kwasara	Bagudu	8	64	Outreach
236	Tunga Halidu	Zagga Kwasara	Bagudu	15	120	Outreach
	Runtuwar Dikko					
237	Dandale	Zagga Kwasara	Bagudu	18	144	Outreach
238	Kaura Samu	Zagga Kwasara	Bagudu	37	296	Outreach
239	Runtuwa Danladan	Zagga Kwasara	Bagudu	26	208	Outreach
240	Settinirde	Zagga Kwasara	Bagudu	28	224	Outreach
241	Gasibe	Zagga Kwasara	Bagudu	42	336	Outreach
242	Runtuwo Murundi	Zagga Kwasara	Bagudu	54	432	Outreach
243	Sirehere	Zagga Kwasara	Bagudu	57	456	Outreach
244	Tungan Jibbo	Zagga Kwasara	Bagudu	17	136	Outreach
245	Maisokoto	Zagga Kwasara	Bagudu	101	808	Outreach

246	Tungan Umaru Kamba	Zagga Kwasara	Bagudu	27	216	Outreach
247	Tungan Andi	Zagga Kwasara	Bagudu	21	168	Outreach
248	SSA_23806	Zagga Kwasara	Bagudu	19	152	Outreach
249	Ingonga	Zagga Kwasara	Bagudu	79	632	Outreach
250	Sire Modibbo	Zagga Kwasara	Bagudu	83	664	Outreach
251	Tilde	Zagga Kwasara	Bagudu	73	584	Outreach
252	Runtuwar Kwasara	Zagga Kwasara	Bagudu	18	144	Outreach
253	Tunga Kaka	Zagga Kwasara	Bagudu	20	160	Outreach
254	G Dodo	Zagga Kwasara	Bagudu	26	208	Outreach
255	Tungan Chindo	Zagga Kwasara	Bagudu	45	360	Outreach
256	SSA_17634	Zagga Kwasara	Bagudu	15	120	Outreach

#### Annex 4: Distribution Posts and their supply health facility

SN	Catchment Name	Post_Type
1	Bakin Ruwa Health Post	Fixed Post
2	Tungar Fata Health Post	Fixed Post
3	Kaoje General Hospital	Fixed Post
4	S Rijya Central Mosque	TempPost
5	Hutawa Central Mosque	TempPost
6	Sabon Gari Areogu Mosque	TempPost
7	Tungan Maikade Central Mosque	TempPost
8	Tungar Fata Primary School	TempPost
9	Yamusa Primary School	TempPost
10	Garadi Primary School	TempPost
11	Kawate Primary School	TempPost
12	Daranna Primary School	TempPost
13	Buya Primary School	TempPost
14	Tungar Bature Primary School	TempPost
15	Ganten Tudu Primary School	TempPost

16	Tunga Mauzu Primary School	TempPost
17	Kaudu Primary School	TempPost
18	Dogon Daji Primary School	TempPost
19	Normadic Primary School Runga Basa	TempPost
20	Farinruwa Primary School	TempPost
21	Primary School Gwasaye	TempPost
22	Ganten Fadama Primary School	TempPost
23	Model Primary School Kaoje	TempPost
24	Tungar Lawal Primary Shcool	TempPost
25	Lafagu Primry School	TempPost
26	Bakin Ruwa Primary	TempPost
27	Maidahini Health Post	Fixed Post
28	Zagga Primary Health Center	Fixed Post
29	Jungal Arawa Central Mosque	TempPost
30	Kermanyo Central Mosque	TempPost
31	LEA Sharabi Primary School	TempPost
32	Rahayel Primary School	TempPost
33	Tungan Maiyaye Primary School	TempPost
34	Tungan Wamzam Primary School	TempPost
35	Tungar Bata Primary School	TempPost
36	Kadibbo Primary School	TempPost
37	Kaliel Primary School	TempPost
38	Tunga Illo Primary School	TempPost
39	Tunga Alhaji Primary School	TempPost
40	Tungar Talho Primary School	TempPost
41	LEA Maidehini Primary School	TempPost
42	Yantali Primary School	TempPost
43	Primary School Busura	TempPost
44	Tunga Gero Primary School	TempPost
45	Maisokoto Primary School	TempPost
46	Keasara Model Primary School	TempPost
47	Maitambari Primary School	TempPost

48	Tungar Marafa Primary School	TempPost
49	Gidan Zana Health Post	Fixed Post
50	Sambe Health Post	Fixed Post
51	Gesharau Health Post	Fixed Post
52	Illo General Hospital	Fixed Post
53	Gendene Primary Health Center	Fixed Post
54	Saminaka Mosque	TempPost
55	Dogondaji Primary School	TempPost
56	Tungan Giris Primary School	TempPost
57	Tungar Malam Primary School	TempPost
58	Tungar Gube Primary School	TempPost
59	Sabon Gari Primary School	TempPost
60	Giris Primary School	TempPost
61	Kanshiba Primary School	TempPost
62	Shanji Primary School	TempPost
63	Mahuta Primary School	TempPost
64	Sambe Nomadic Primary School	TempPost
65	Gwegere Primary School	TempPost
66	Nasarawar Shanji Primary School	TempPost
67	Rugar Kangiwa Primary School	TempPost
68	Tsamiya Primary School	TempPost
69	Bani Model Primary School	TempPost
70	Tungar Maazu Primary School	TempPost
71	Runto Kali Nomadic Primary School	TempPost
72	Bulalangu Primary School	TempPost
73	Sabon Birni Nomadic Primary School	TempPost
74	Kabaka Primary School	TempPost
75	Tungar Samaila Primary School	TempPost
76	Tungar Mai Yara Primary School	TempPost
77	Gidan Zana Primary School	TempPost
78	Lolo Primary Health Center	Fixed Post
79	Feza Health Post	Fixed Post

80	Sarhu Primary School	TempPost
81	Tungar Bage Primary School	TempPost
82	Binji Primary School	TempPost
83	Tondi Primary School	TempPost
84	Normadic Primary School	TempPost
85	Lolo Rugga Primary School	TempPost
86	Gwamba Primary Health Center	Fixed Post
87	Garin Gidi Health Post	Fixed Post
88	Bagudo General Hospital	Fixed Post
89	Kawara Mdg Clinic	Fixed Post
90	Sharabi Health Post	Fixed Post
91	Bani Health Post	Fixed Post
92	Tungan Akoda Primary School	TempPost
93	Jeddere Bode Primary School	TempPost
94	Gendene Birni Primary School	TempPost
95	Tungar Himmo Primary School	TempPost
96	Baki Doma Primary School	TempPost
97	Kumbobo Primary School	TempPost
98	Idoinaje Primary School	TempPost
99	Tungar Yari Primary School	TempPost
100	Bahindi Primary School	TempPost
101	Bagudo Kudu Primary School	TempPost
102	Rinaye Primary School	TempPost
103	Geza Primary School	TempPost
104	Bargawa Primary School	TempPost
105	Buda Primary School	TempPost
106	Kende Model Primary School	TempPost
107	Adawa Primary School	TempPost
108	Matsinka Primary School	TempPost
109	Kurgu Primary School	TempPost
110	Ali Nagagara Primary School	TempPost
111	Tullawa Primary School	TempPost

112	Tuga Primary School	TempPost
113	Tungar Jibbo Primary School	TempPost
114	Ramin Kura Primary School	TempPost
115	Gwamba Primary School	TempPost
116	Marake Primary School	TempPost
117	Tungar Baushe PI SI	TempPost
118	Model Primary School Garingidi	TempPost
119	Zugun Bagudo Primary School	TempPost
120	LEA Tunga Ulu School	TempPost
121	Bakin Wuya Primary School	TempPost

#### Annex 5: Settlement List by Wards

SN	Settlement Name	Ward Name	Estimated HH	Estimated Pop	Catchment Type	Pregnant POP	Under5 POP	Estimated ITNs
1	HA_10	Bagudo Tuga	2	16	Outreach	1	3	4
2	Mai Mulihi	Bagudo Tuga	41	328	Outreach	13	59	72
3	Tungar Musa	Bagudo Tuga	43	344	Outreach	14	62	76
4	Tungar Nagyara	Bagudo Tuga	5	40	Outreach	2	7	9
5	Kurgawa Maizagga	Bagudo Tuga	40	320	Outreach	13	58	71
6	Sire Danda	Bagudo Tuga	77	616	Outreach	25	111	136
7	Shiyar Noma Yamma	Bagudo Tuga	6778	54224	Health Facility	2169	9760	11929
8	Nasarawa Makera	Bagudo Tuga	80	640	Health Facility	26	115	141
9	Kashin Giwa	Bagudo Tuga	42	336	Health Facility	13	60	73

10	Iduwaje	Bagudo Tuga	85	680	Health Facility	27	122	149
11	Shiyar Kangay Yamma	Bagudo Tuga	105	840	Health Facility	34	151	185
12	Tungar Mai Ruwa	Bagudo Tuga	68	544	Health Facility	22	98	120
13	Runtuwo Garso Bande	Bagudo Tuga	3	24	School	1	4	5
14	HA_3	Bagudo Tuga	5	40	School	2	7	9
15	Rugar Jodu	Bagudo Tuga	3	24	School	1	4	5
16	Karambusa	Bagudo Tuga	1	8	School	0	1	1
17	Runtuwo Namata	Bagudo Tuga	10	80	School	3	14	17
18	HA_5	Bagudo Tuga	4	32	School	1	6	7
19	HA_8	Bagudo Tuga	1	8	School	0	1	1
20	Tungan Dikko	Bagudo Tuga	15	120	School	5	22	27
21	Runtuwon Dikko Magalbi	Bagudo Tuga	6	48	School	2	9	11
22	Rugar Rugar Manu	Bagudo Tuga	18	144	School	6	26	32
23	HA_7	Bagudo Tuga	5	40	School	2	7	9
24	Rungar Alhaji Loge	Bagudo Tuga	35	280	School	11	50	61
25	HA_4	Bagudo Tuga	3	24	School	1	4	5
26	Ruggar Majiru	Bagudo Tuga	1	8	School	0	1	1

27	Tunga Baushe Yamma	Bagudo Tuga	123	984	School	39	177	216
28	Soshiya Tshohuwa	Bagudo Tuga	15	120	School	5	22	27
29	Tuga Shiyar Zabarmawa	Bagudo Tuga	618	4944	School	198	890	1088
30	Mailafiya	Bagudo Tuga	43	344	School	14	62	76
31	Kanyash	Bagudo Tuga	4	32	School	1	6	7
32	Tungar Himo	Bagudo Tuga	89	712	School	28	128	156
33	Soshiya Sabuwa	Bagudo Tuga	13	104	School	4	19	23
34	Sire Alhaji	Bagudo Tuga	81	648	School	26	117	143
35	Mai Lafiya Sabuwa	Bagudo Tuga	24	192	School	8	35	43
36	Ramin Kura Hausawa	Bagudo Tuga	76	608	School	24	109	133
37	Tungar Kade	Bagudo Tuga	27	216	School	9	39	48
38	Marake	Bagudo Tuga	165	1320	School	53	238	291
39	Sake Jiki	Bagudo Tuga	62	496	School	20	89	109
40	Tulluwa	Bagudo Tuga	98	784	School	31	141	172
41	Sire Guruza	Bagudo Tuga	88	704	School	28	127	155
42	Tungar Ulu	Bagudo Tuga	70	560	School	22	101	123
43	Kunkuru Tsohuwa	Bagudo Tuga	46	368	School	15	66	81
44	Kunkuru Sabuwa	Bagudo Tuga	26	208	School	8	37	45

45	Sire Ashe	Bagudo Tuga	32	256	School	10	46	56
46	Garin Gidi	Bagudo Tuga	375	3000	School	120	540	660
47	Tunga Dodo	Bahindi Khaliel	2	16	Outreach	1	3	4
48	HA_1	Bahindi Khaliel	1	8	Outreach	0	1	1
49	HA_17	Bahindi Khaliel	1	8	Outreach	0	1	1
50	Sawai	Bahindi Khaliel	15	120	Outreach	5	22	27
51	Tungar Maishanu	Bahindi Khaliel	11	88	School	4	16	20
52	Tungar Goje	Bahindi Khaliel	5	40	School	2	7	9
53	Kwazangu	Bahindi Khaliel	12	96	School	4	17	21
54	Tunga Liman Isa	Bahindi Khaliel	1	8	School	0	1	1
55	Kwalebangu	Bahindi Khaliel	35	280	School	11	50	61
56	Sharabawa	Bahindi Khaliel	5	40	School	2	7	9
57	Tunga Masu	Bahindi Khaliel	25	200	School	8	36	44
58	Buda	Bahindi Khaliel	69	552	School	22	99	121
59	Bokki Doma Zabarmawa	Bahindi Khaliel	150	1200	School	48	216	264
60	Rutuwun Juli	Bahindi Khaliel	25	200	School	8	36	44
61	Rabagaya	Bahindi Khaliel	24	192	School	8	35	43
62	SSA_17661	Bahindi Khaliel	21	168	School	7	30	37

63	Tungar Alhaji Gabas	Bahindi Khaliel	178	1424	School	57	256	313
64	Runtuwar Bobi	Bahindi Khaliel	26	208	School	8	37	45
65	Tungar Maikoko Hakimi	Bahindi Khaliel	34	272	School	11	49	60
66	Tungar Bahaoni	Bahindi Khaliel	28	224	School	9	40	49
67	Tungan Bodì	Bahindi Khaliel	33	264	School	11	48	59
68	Tunga Dogon Yaro	Bahindi Khaliel	80	640	School	26	115	141
69	Kaliel Shiyar Sarki	Bahindi Khaliel	496	3968	School	159	714	873
70	Tungar Gero	Bahindi Khaliel	37	296	School	12	53	65
71	Tungar Marafa	Bahindi Khaliel	16	128	School	5	23	28
72	Guda Nakwarai	Bahindi Khaliel	22	176	School	7	32	39
73	Tungar Maisaje	Bahindi Khaliel	81	648	School	26	117	143
74	Idowa	Bahindi Khaliel	171	1368	School	55	246	301
75	Tungan Modi	Bahindi Khaliel	23	184	School	7	33	40
76	Kaddibo	Bahindi Khaliel	249	1992	School	80	359	439
77	Tungan Yodo	Bahindi Khaliel	69	552	School	22	99	121
78	Bambara	Bahindi Khaliel	63	504	School	20	91	111
79	Bokki Doma Hausawa	Bahindi Khaliel	173	1384	School	55	249	304
80	Tugan Sule	Bahindi Khaliel	109	872	School	35	157	192

81	Tsola	Bahindi Khaliel	70	560	School	22	101	123
82	Bahindi	Bahindi Khaliel	173	1384	School	55	249	304
83	Tunga Rairai Sabon Gari	Bahindi Khaliel	68	544	School	22	98	120
84	Tungar Isiyaka Hakimi	Bahindi Khaliel	131	1048	School	42	189	231
85	Kyarmanyo Sabuwa	Bahindi Khaliel	11	88	Mosque	4	16	20
86	Jugol Kabawa	Bahindi Khaliel	26	208	Mosque	8	37	45
87	Jungol Arawa I	Bahindi Khaliel	46	368	Mosque	15	66	81
88	Kyarmanyo Tsohuwa	Bahindi Khaliel	1	8	Mosque	0	1	1
89	Tumga Danbaki	Bani Tsamiya	6	48	Outreach	2	9	11
90	HA_22	Bani Tsamiya	3	24	Outreach	1	4	5
91	HA_46	Bani Tsamiya	10	80	Outreach	3	14	17
92	HA_24	Bani Tsamiya	15	120	Outreach	5	22	27
93	HA_34	Bani Tsamiya	17	136	Outreach	5	24	29
94	HA_15	Bani Tsamiya	19	152	Outreach	6	27	33
95	HA_52	Bani Tsamiya	3	24	Outreach	1	4	5
96	HA_54	Bani Tsamiya	8	64	Outreach	3	12	15
97	Gulboki	Bani Tsamiya	16	128	Outreach	5	23	28
98	Tungar Bage	Bani Tsamiya	2	16	Outreach	1	3	4

99	Barebari	Bani Tsamiya	13	104	Outreach	4	19	23
100	HA_26	Bani Tsamiya	6	48	Outreach	2	9	11
101	HA_45	Bani Tsamiya	12	96	Outreach	4	17	21
102	HA_29	Bani Tsamiya	3	24	Outreach	1	4	5
103	Tungar Gubawa	Bani Tsamiya	54	432	Outreach	17	78	95
104	HA_23	Bani Tsamiya	5	40	Outreach	2	7	9
105	HA_48	Bani Tsamiya	19	152	Outreach	6	27	33
106	HA_21	Bani Tsamiya	11	88	Outreach	4	16	20
107	HA_47	Bani Tsamiya	2	16	Outreach	1	3	4
108	HA_8	Bani Tsamiya	20	160	Outreach	6	29	35
109	Tungar Boka	Bani Tsamiya	39	312	Outreach	12	56	68
110	Ruggar Digwal	Bani Tsamiya	28	224	Outreach	9	40	49
111	T Rugga Bande	Bani Tsamiya	34	272	Outreach	11	49	60
112	Tunga Tambaya	Bani Tsamiya	9	72	Outreach	3	13	16
113	Nafana	Bani Tsamiya	6	48	Outreach	2	9	11
114	Maidoki	Bani Tsamiya	9	72	Outreach	3	13	16
115	HA_12	Bani Tsamiya	11	88	Outreach	4	16	20
116	Ruggar Dikko	Bani Tsamiya	13	104	Outreach	4	19	23

117	HA_28	Bani Tsamiya	1	8	Outreach	0	1	1
118	HA_16	Bani Tsamiya	3	24	Outreach	1	4	5
119	HA_13	Bani Tsamiya	4	32	Outreach	1	6	7
120	Saranfo	Bani Tsamiya	902	7216	Outreach	289	1299	1588
121	SSA_18045	Bani Tsamiya	64	512	Outreach	20	92	112
122	SSA_18102	Bani Tsamiya	58	464	Outreach	19	84	103
123	SSA_18124	Bani Tsamiya	40	320	Outreach	13	58	71
124	SSA_18129	Bani Tsamiya	50	400	Outreach	16	72	88
125	Tungar Dauda	Bani Tsamiya	17	136	Outreach	5	24	29
126	Runtuwan Bako	Bani Tsamiya	17	136	Outreach	5	24	29
127	Tungan Bage	Bani Tsamiya	29	232	Outreach	9	42	51
128	Tungar Zubairu	Bani Tsamiya	58	464	Outreach	19	84	103
129	Tungan Hassan	Bani Tsamiya	64	512	Outreach	20	92	112
130	Tungar Wanzam	Bani Tsamiya	22	176	Outreach	7	32	39
131	Tunkara	Bani Tsamiya	45	360	Outreach	14	65	79
132	Tungar Maikwabo	Bani Tsamiya	35	280	Outreach	11	50	61
133	Samba	Bani Tsamiya	57	456	Outreach	18	82	100
134	Annashuwa	Bani Tsamiya	69	552	Outreach	22	99	121

135	Runtuwan Usman	Bani Tsamiya	55	440	Outreach	18	79	97
136	Tunga Goge	Bani Tsamiya	78	624	Outreach	25	112	137
137	Tahunna	Bani Tsamiya	24	192	Outreach	8	35	43
138	Ruggar Macca	Bani Tsamiya	29	232	Outreach	9	42	51
139	Runtuwo Annashuwa	Bani Tsamiya	14	112	Outreach	4	20	24
140	Yarima	Bani Tsamiya	45	360	Outreach	14	65	79
141	Tunga Kalgo	Bani Tsamiya	53	424	Outreach	17	76	93
142	Runtuwan Fulani	Bani Tsamiya	15	120	Outreach	5	22	27
143	Tungan boka	Bani Tsamiya	22	176	Outreach	7	32	39
144	Ruggr Ciso	Bani Tsamiya	57	456	Health Facility	18	82	100
145	HA_30	Bani Tsamiya	13	104	Health Facility	4	19	23
146	HA_31	Bani Tsamiya	16	128	Health Facility	5	23	28
147	SSA_18130	Bani Tsamiya	39	312	Health Facility	12	56	68
148	Sambe	Bani Tsamiya	295	2360	Health Facility	94	425	519
149	Tungan Alhaji 1	Bani Tsamiya	326	2608	Health Facility	104	469	573
150	Gidan Zana Busawa	Bani Tsamiya	475	3800	Health Facility	152	684	836
151	HA_33	Bani Tsamiya	23	184	School	7	33	40
152	HA_38	Bani Tsamiya	6	48	School	2	9	11

153	Ruggar Maishanu	Bani Tsamiya	10	80	School	3	14	17
154	HA_18	Bani Tsamiya	27	216	School	9	39	48
155	HA_11	Bani Tsamiya	15	120	School	5	22	27
156	Ilagoru Yamma	Bani Tsamiya	660	5280	School	211	950	1161
157	HA_4	Bani Tsamiya	10	80	School	3	14	17
158	HA_36	Bani Tsamiya	22	176	School	7	32	39
159	Gogati	Bani Tsamiya	12	96	School	4	17	21
160	Shanna	Bani Tsamiya	13	104	School	4	19	23
161	Tunga Kabarawa	Bani Tsamiya	7	56	School	2	10	12
162	HA_51	Bani Tsamiya	7	56	School	2	10	12
163	HA_1	Bani Tsamiya	16	128	School	5	23	28
164	Runtuwo Tungan Samaila	Bani Tsamiya	8	64	School	3	12	15
165	Runtuwon Namata	Bani Tsamiya	30	240	School	10	43	53
166	Tungan Yakwai	Bani Tsamiya	11	88	School	4	16	20
167	HA_43	Bani Tsamiya	2	16	School	1	3	4
168	Runtuwan Sabi	Bani Tsamiya	24	192	School	8	35	43
169	HA_40	Bani Tsamiya	6	48	School	2	9	11
170	HA_6	Bani Tsamiya	68	544	School	22	98	120

171	Ilo Goru	Bani Tsamiya	98	784	School	31	141	172
172	HA_44	Bani Tsamiya	2	16	School	1	3	4
173	Tsamiya Fulani	Bani Tsamiya	2300	18400	School	736	3312	4048
174	Tungan Gwani Makera	Bani Tsamiya	626	5008	School	200	901	1101
175	Tungan Bature Hausawa	Bani Tsamiya	642	5136	School	205	924	1129
176	Isah Sabo	Bani Tsamiya	365	2920	School	117	526	643
177	SSA_18110	Bani Tsamiya	5	40	School	2	7	9
178	SSA_18121	Bani Tsamiya	44	352	School	14	63	77
179	Hausawa	Bani Tsamiya	771	6168	School	247	1110	1357
180	Goruwel	Bani Tsamiya	35	280	School	11	50	61
181	Tungan Dogo	Bani Tsamiya	170	1360	School	54	245	299
182	Tunga Yahaya	Bani Tsamiya	8	64	School	3	12	15
183	Rugar Bangel	Bani Tsamiya	81	648	School	26	117	143
184	Sabon Rijiya	Bani Tsamiya	309	2472	School	99	445	544
185	Kaddibbo	Bani Tsamiya	165	1320	School	53	238	291
186	Tungar Samaila	Bani Tsamiya	423	3384	School	135	609	744
187	Tungan Sago	Bani Tsamiya	189	1512	School	60	272	332

188	Garin Gube	Bani Tsamiya	618	4944	School	198	890	1088
189	Bukani	Bani Tsamiya	98	784	School	31	141	172
190	Sabon Birni	Bani Tsamiya	72	576	School	23	104	127
191	Runtuwon Ahmadu	Bani Tsamiya	67	536	School	21	96	117
192	Runtuwan Juliya	Bani Tsamiya	17	136	School	5	24	29
193	Gogere	Bani Tsamiya	86	688	School	28	124	152
194	Tungar Masallaci	Bani Tsamiya	269	2152	School	86	387	473
195	SSA_18100	Bani Tsamiya	25	200	School	8	36	44
196	SSA_18101	Bani Tsamiya	32	256	School	10	46	56
197	Tungan Madugu	Bani Tsamiya	26	208	Mosque	8	37	45
198	Saminaka	Bani Tsamiya	124	992	Mosque	40	179	219
199	HA_27	Illo Sabon Gari	5	40	Outreach	2	7	9
200	Mazauni	Illo Sabon Gari	8	64	Outreach	3	12	15
201	Tunga Arawa Karama	Illo Sabon Gari	17	136	Outreach	5	24	29
202	Aci Awatse	Illo Sabon Gari	1	8	Outreach	0	1	1
203	Tunga Hantsi	Illo Sabon Gari	1	8	Outreach	0	1	1
204	HA_12	Illo Sabon Gari	5	40	Outreach	2	7	9
205	Sukunde	Illo Sabon Gari	2	16	Outreach	1	3	4

206	Tungan Kwango	Illo Sabon Gari	1	8	Outreach	0	1	1
207	HA_10	Illo Sabon Gari	8	64	Outreach	3	12	15
208	Tungan Abba	Illo Sabon Gari	1	8	Outreach	0	1	1
209	Runtuwa Mandi	Illo Sabon Gari	16	128	Outreach	5	23	28
210	Tungan Latto	Illo Sabon Gari	158	1264	Outreach	51	228	279
211	Tunga Namaiwa	Illo Sabon Gari	78	624	Outreach	25	112	137
212	Tungan boka	Illo Sabon Gari	3	24	Outreach	1	4	5
213	Wangara	Illo Sabon Gari	3117	24936	Health Facility	997	4488	5485
214	Tunga Arawa Mai Yara	Illo Sabon Gari	14	112	School	4	20	24
215	Sabuke Fulani	Illo Sabon Gari	2	16	School	1	3	4
216	Gasapura	Illo Sabon Gari	12	96	School	4	17	21
217	Tunga Arawa	Illo Sabon Gari	7	56	School	2	10	12
218	HA_1	Illo Sabon Gari	1	8	School	0	1	1
219	Sabuke	Illo Sabon Gari	7	56	School	2	10	12
220	Tungan Rini	Illo Sabon Gari	2	16	School	1	3	4
221	Tunga Audu Bako	Illo Sabon Gari	10	80	School	3	14	17
222	HA_2	Illo Sabon Gari	22	176	School	7	32	39
223	HA_11	Illo Sabon Gari	3	24	School	1	4	5

224	HA_13	Illo Sabon Gari	12	96	School	4	17	21
225	Tungar Sani Mali	Illo Sabon Gari	19	152	School	6	27	33
226	SSA_17635	Illo Sabon Gari	4	32	School	1	6	7
227	Fulani Fagada	Illo Sabon Gari	928	7424	School	297	1336	1633
228	SSA_18155	Illo Sabon Gari	24	192	School	8	35	43
229	Yantala	Illo Sabon Gari	243	1944	School	78	350	428
230	Sabon Gari Area	Illo Sabon Gari	430	3440	School	138	619	757
231	Dodoru	Illo Sabon Gari	10	80	School	3	14	17
232	Tungan Arawa	Illo Sabon Gari	201	1608	School	64	289	353
233	Rugga Sabi Kali	Illo Sabon Gari	84	672	School	27	121	148
234	Kali Fada	Illo Sabon Gari	387	3096	School	124	557	681
235	Mashekari	Illo Sabon Gari	27	216	School	9	39	48
236	Kyangawa	Illo Sabon Gari	23	184	School	7	33	40
237	Ruggar Eggo	Illo Sabon Gari	25	200	School	8	36	44
238	Tunga Kwallo	Illo Sabon Gari	102	816	School	33	147	180
239	Kabuka	Illo Sabon Gari	393	3144	School	126	566	692
240	Burji	Illo Sabon Gari	174	1392	School	56	251	307
241	Tudun Wada	Illo Sabon Gari	425	3400	School	136	612	748

242	SSA_18158	Illo Sabon Gari	24	192	School	8	35	43
243	Lapura	Illo Sabon Gari	47	376	School	15	68	83
244	Dogondaji	Illo Sabon Gari	308	2464	School	99	444	543
245	Rugga Fullo Bunza	Illo Sabon Gari	31	248	School	10	45	55
246	Tunga Arawa Dogon Daji Gabas	Illo Sabon Gari	151	1208	School	48	217	265
247	Tungan Mallam Zabarmawa	Illo Sabon Gari	254	2032	School	81	366	447
248	Sarhu	Illo Sabon Gari	59	472	School	19	85	104
249	Kwana	Kaoje Gwamba	35	280	Outreach	11	50	61
250	Tunga Dare	Kaoje Gwamba	5	40	Outreach	2	7	9
251	HA_34	Kaoje Gwamba	4	32	Outreach	1	6	7
252	Yalwuwa	Kaoje Gwamba	17	136	Outreach	5	24	29
253	Garin Tsanya	Kaoje Gwamba	19	152	Outreach	6	27	33
254	HA_4	Kaoje Gwamba	7	56	Outreach	2	10	12
255	HA_31	Kaoje Gwamba	7	56	Outreach	2	10	12
256	HA_1	Kaoje Gwamba	14	112	Outreach	4	20	24
257	HA_32	Kaoje Gwamba	14	112	Outreach	4	20	24
258	HA_45	Kaoje Gwamba	17	136	Outreach	5	24	29

259	Tungar Kuka	Kaoje Gwamba	14	112	Outreach	4	20	24
260	Chikama	Kaoje Gwamba	20	160	Outreach	6	29	35
261	HA_13	Kaoje Gwamba	39	312	Outreach	12	56	68
262	Bakoshi	Kaoje Gwamba	19	152	Outreach	6	27	33
263	HA_5	Kaoje Gwamba	9	72	Outreach	3	13	16
264	HA_40	Kaoje Gwamba	17	136	Outreach	5	24	29
265	Daransi	Kaoje Gwamba	42	336	Outreach	13	60	73
266	Wadata	Kaoje Gwamba	6	48	Outreach	2	9	11
267	HA_29	Kaoje Gwamba	5	40	Outreach	2	7	9
268	HA_9	Kaoje Gwamba	21	168	Outreach	7	30	37
269	HA_38	Kaoje Gwamba	10	80	Outreach	3	14	17
270	Ganjo	Kaoje Gwamba	19	152	Outreach	6	27	33
271	HA_41	Kaoje Gwamba	2	16	Outreach	1	3	4
272	Ruggar Maccido	Kaoje Gwamba	7	56	Outreach	2	10	12
273	HA_8	Kaoje Gwamba	18	144	Outreach	6	26	32
274	Mai Aya Aya	Kaoje Gwamba	18	144	Outreach	6	26	32
275	Jelawa	Kaoje Gwamba	49	392	Outreach	16	71	87
276	Tungan Muhammadu	Kaoje Gwamba	24	192	Outreach	8	35	43

277	Belli	Kaoje Gwamba	26	208	Outreach	8	37	45
278	Tunga Zabarmawa	Kaoje Gwamba	16	128	Outreach	5	23	28
279	SSA_27103	Kaoje Gwamba	9	72	Outreach	3	13	16
280	SSA_17980	Kaoje Gwamba	18	144	Outreach	6	26	32
281	SSA_17990	Kaoje Gwamba	34	272	Outreach	11	49	60
282	SSA_17992	Kaoje Gwamba	18	144	Outreach	6	26	32
283	SSA_17993	Kaoje Gwamba	17	136	Outreach	5	24	29
284	SSA_17999	Kaoje Gwamba	22	176	Outreach	7	32	39
285	SSA_18006	Kaoje Gwamba	39	312	Outreach	12	56	68
286	SSA_18008	Kaoje Gwamba	39	312	Outreach	12	56	68
287	SSA_18013	Kaoje Gwamba	21	168	Outreach	7	30	37
288	SSA_18026	Kaoje Gwamba	16	128	Outreach	5	23	28
289	SSA_18029	Kaoje Gwamba	99	792	Outreach	32	143	175
290	SSA_18038	Kaoje Gwamba	29	232	Outreach	9	42	51
291	SSA_18047	Kaoje Gwamba	27	216	Outreach	9	39	48
292	SSA_18052	Kaoje Gwamba	21	168	Outreach	7	30	37
293	SSA_18054	Kaoje Gwamba	31	248	Outreach	10	45	55
294	SSA_18055	Kaoje Gwamba	69	552	Outreach	22	99	121

295	SSA_18058	Kaoje Gwamba	30	240	Outreach	10	43	53
296	SSA_18061	Kaoje Gwamba	12	96	Outreach	4	17	21
297	SSA_18070	Kaoje Gwamba	61	488	Outreach	20	88	108
298	SSA_18071	Kaoje Gwamba	25	200	Outreach	8	36	44
299	SSA_18073	Kaoje Gwamba	78	624	Outreach	25	112	137
300	SSA_18094	Kaoje Gwamba	5	40	Outreach	2	7	9
301	SSA_18105	Kaoje Gwamba	16	128	Outreach	5	23	28
302	SSA_18163	Kaoje Gwamba	43	344	Outreach	14	62	76
303	SSA_18167	Kaoje Gwamba	26	208	Outreach	8	37	45
304	SSA_17989	Kaoje Gwamba	3	24	Outreach	1	4	5
305	Tungan Kawo	Kaoje Gwamba	175	1400	Outreach	56	252	308
306	Tunga Buzu	Kaoje Gwamba	57	456	Outreach	18	82	100
307	Tunga Maisaje	Kaoje Gwamba	77	616	Outreach	25	111	136
308	Nasarawa	Kaoje Gwamba	135	1080	Outreach	43	194	237
309	Gidan Gida	Kaoje Gwamba	61	488	Outreach	20	88	108
310	Birinna	Kaoje Gwamba	42	336	Outreach	13	60	73
311	T Auta	Kaoje Gwamba	6	48	Outreach	2	9	11
312	Dirin Daji	Kaoje Gwamba	12	96	Outreach	4	17	21

313	Dikko Kwatte	Kaoje Gwamba	15	120	Outreach	5	22	27
314	Tunga Daudu	Kaoje Gwamba	9	72	Outreach	3	13	16
315	Gore Biga	Kaoje Gwamba	42	336	Outreach	13	60	73
316	Tunga Audu	Kaoje Gwamba	32	256	Outreach	10	46	56
317	Gwagwabe	Kaoje Gwamba	45	360	Outreach	14	65	79
318	Madina	Kaoje Gwamba	34	272	Outreach	11	49	60
319	Tungan Muazu	Kaoje Gwamba	64	512	Outreach	20	92	112
320	Maizana Keteran Guru	Kaoje Gwamba	165	1320	Outreach	53	238	291
321	Zugu Janna	Kaoje Gwamba	12	96	Outreach	4	17	21
322	Digiza	Kaoje Gwamba	58	464	Outreach	19	84	103
323	Gelkewi	Kaoje Gwamba	128	1024	Outreach	41	184	225
324	Orda Magajin Gari	Kaoje Gwamba	126	1008	Outreach	40	181	221
325	Ordo Gari	Kaoje Gwamba	94	752	Outreach	30	135	165
326	Sire Here	Kaoje Gwamba	141	1128	Outreach	45	203	248
327	Karan Naje	Kaoje Gwamba	372	2976	Outreach	119	536	655
328	Zugu Ardo	Kaoje Gwamba	50	400	Outreach	16	72	88
329	Zugu Noma	Kaoje Gwamba	41	328	Outreach	13	59	72
330	Runtuwa	Kaoje Gwamba	49	392	Outreach	16	71	87

331	SSA_17971	Kaoje Gwamba	11	88	Outreach	4	16	20
332	SSA_18097	Kaoje Gwamba	8	64	Outreach	3	12	15
333	HA_18	Kaoje Gwamba	3	24	Health Facility	1	4	5
334	Inwala	Kaoje Gwamba	3044	24352	Health Facility	974	4383	5357
335	Gwamba	Kaoje Gwamba	722	5776	Health Facility	231	1040	1271
336	Fanfare	Kaoje Gwamba	25	200	Health Facility	8	36	44
337	Busara	Kaoje Gwamba	1117	8936	Health Facility	357	1608	1965
338	Falale	Kaoje Gwamba	26	208	Health Facility	8	37	45
339	SSA_18183	Kaoje Gwamba	57	456	Health Facility	18	82	100
340	Tungar Gwamba	Kaoje Gwamba	106	848	Health Facility	34	153	187
341	Kwaku	Kaoje Gwamba	40	320	Health Facility	13	58	71
342	HA_28	Kaoje Gwamba	6	48	School	2	9	11
343	Ofinna	Kaoje Gwamba	10	80	School	3	14	17
344	HA_30	Kaoje Gwamba	7	56	School	2	10	12
345	HA_43	Kaoje Gwamba	4	32	School	1	6	7
346	HA_17	Kaoje Gwamba	6	48	School	2	9	11
347	HA_12	Kaoje Gwamba	13	104	School	4	19	23
348	HA_21	Kaoje Gwamba	7	56	School	2	10	12

349	HA_27	Kaoje Gwamba	10	80	School	3	14	17
350	HA_6	Kaoje Gwamba	22	176	School	7	32	39
351	HA_24	Kaoje Gwamba	9	72	School	3	13	16
352	HA_14	Kaoje Gwamba	18	144	School	6	26	32
353	Rugga Basir	Kaoje Gwamba	30	240	School	10	43	53
354	HA_23	Kaoje Gwamba	4	32	School	1	6	7
355	HA_10	Kaoje Gwamba	15	120	School	5	22	27
356	Tungar Goge	Kaoje Gwamba	41	328	School	13	59	72
357	Tungan Dare Audu	Kaoje Gwamba	17	136	School	5	24	29
358	Banuwa	Kaoje Gwamba	1	8	School	0	1	1
359	HA_7	Kaoje Gwamba	7	56	School	2	10	12
360	Dogon Gyayya	Kaoje Gwamba	5	40	School	2	7	9
361	Toni Yanbare	Kaoje Gwamba	51	408	School	16	73	89
362	Bakin Ruwa	Kaoje Gwamba	1024	8192	School	328	1475	1803
363	Tungan Fata Zabarmawa	Kaoje Gwamba	393	3144	School	126	566	692
364	Buya	Kaoje Gwamba	846	6768	School	271	1218	1489
365	SSA_18172	Kaoje Gwamba	52	416	School	17	75	92
366	Zugu	Kaoje Gwamba	28	224	School	9	40	49

367	Tungar Dinya	Kaoje Gwamba	26	208	School	8	37	45
368	SSA_18169	Kaoje Gwamba	12	96	School	4	17	21
369	SSA_18002	Kaoje Gwamba	29	232	School	9	42	51
370	SSA_18003	Kaoje Gwamba	48	384	School	15	69	84
371	SSA_18017	Kaoje Gwamba	24	192	School	8	35	43
372	SSA_18023	Kaoje Gwamba	64	512	School	20	92	112
373	SSA_18030	Kaoje Gwamba	61	488	School	20	88	108
374	SSA_18031	Kaoje Gwamba	119	952	School	38	171	209
375	SSA_18041	Kaoje Gwamba	37	296	School	12	53	65
376	SSA_18063	Kaoje Gwamba	14	112	School	4	20	24
377	SSA_18065	Kaoje Gwamba	17	136	School	5	24	29
378	SSA_18072	Kaoje Gwamba	12	96	School	4	17	21
379	Busura	Kaoje Gwamba	184	1472	School	59	265	324
380	Farin Ruwa Tugan Na Allah	Kaoje Gwamba	73	584	School	23	105	128
381	Tunga Rina Zabarmawa	Kaoje Gwamba	254	2032	School	81	366	447
382	Gada	Kaoje Gwamba	108	864	School	35	156	191
383	Ruggar Danbada	Kaoje Gwamba	70	560	School	22	101	123
384	Rugar Busara	Kaoje Gwamba	499	3992	School	160	719	879

385	Kaudu	Kaoje Gwamba	354	2832	School	113	510	623
386	Gyalsaye	Kaoje Gwamba	27	216	School	9	39	48
387	Tungar Mu'azu	Kaoje Gwamba	91	728	School	29	131	160
388	Tugar Aliyu	Kaoje Gwamba	121	968	School	39	174	213
389	Runutuwa Busura	Kaoje Gwamba	65	520	School	21	94	115
390	Yamusa	Kaoje Gwamba	171	1368	School	55	246	301
391	Sabon Gari	Kaoje Gwamba	11	88	School	4	16	20
392	Ruggar Mone	Kaoje Gwamba	43	344	School	14	62	76
393	Rugar Bega 1	Kaoje Gwamba	101	808	School	32	145	177
394	Gendene Dutse	Kaoje Gwamba	100	800	School	32	144	176
395	Gendene Tunga 2	Kaoje Gwamba	27	216	School	9	39	48
396	Gendene Birni	Kaoje Gwamba	246	1968	School	79	354	433
397	Raha	Kaoje Gwamba	256	2048	School	82	369	451
398	Toni Tudu	Kaoje Gwamba	22	176	School	7	32	39
399	Tudun Wadan Tungan Sama	Kaoje Gwamba	278	2224	School	89	400	489
400	Tungar Kade	Kaoje Gwamba	26	208	School	8	37	45
401	Jiddere Bode	Kaoje Gwamba	101	808	School	32	145	177
402	Bakin Soda	Kaoje Gwamba	11	88	School	4	16	20

403	Tunga Maikade	Kaoje Gwamba	16	128	Mosque	5	23	28
404	Ruggar Hutawa	Kaoje Gwamba	36	288	Mosque	12	52	64
405	Hutawa	Kaoje Gwamba	56	448	Mosque	18	81	99
406	Sabon Rijiya	Kaoje Gwamba	38	304	Mosque	12	55	67
407	Sire Namata	Kende Kurgu	4	32	Outreach	1	6	7
408	HA_10	Kende Kurgu	3	24	Outreach	1	4	5
409	Ruhan Dutsi	Kende Kurgu	5	40	Outreach	2	7	9
410	HA_7	Kende Kurgu	3	24	Outreach	1	4	5
411	HA_1	Kende Kurgu	1	8	Outreach	0	1	1
412	Rugga Iya	Kende Kurgu	15	120	Outreach	5	22	27
413	Hukka	Kende Kurgu	14	112	Outreach	4	20	24
414	SSA_22387	Kende Kurgu	4	32	Outreach	1	6	7
415	Ruggan Majo	Kende Kurgu	4	32	Health Facility	1	6	7
416	Shiyar Hakimi Dutse	Kende Kurgu	823	6584	Health Facility	263	1185	1448
417	Tunga Burto	Kende Kurgu	46	368	Health Facility	15	66	81
418	Kaurar Gungu	Kende Kurgu	77	616	Health Facility	25	111	136
419	Ratse Gabas	Kende Kurgu	65	520	Health Facility	21	94	115
420	Tungar Akoda	Kende Kurgu	94	752	Health Facility	30	135	165

421	Tungar Illo	Kende Kurgu	77	616	Health Facility	25	111	136
422	Tungar Kade	Kende Kurgu	14	112	Health Facility	4	20	24
423	Kure Uda	Kende Kurgu	11	88	Health Facility	4	16	20
424	Tungar Arbi	Kende Kurgu	40	320	Health Facility	13	58	71
425	R Dikko Yalliya	Kende Kurgu	5	40	School	2	7	9
426	Talla	Kende Kurgu	4	32	School	1	6	7
427	Tungar Moallayidi	Kende Kurgu	6	48	School	2	9	11
428	R Murhu	Kende Kurgu	2	16	School	1	3	4
429	HA_6	Kende Kurgu	2	16	School	1	3	4
430	Rugar Maude	Kende Kurgu	15	120	School	5	22	27
431	HA_12	Kende Kurgu	5	40	School	2	7	9
432	HA_5	Kende Kurgu	13	104	School	4	19	23
433	Kurgu	Kende Kurgu	8	64	School	3	12	15
434	Tunga Hassan	Kende Kurgu	11	88	School	4	16	20
435	Sire Gayya	Kende Kurgu	13	104	School	4	19	23
436	Kurgu Daji	Kende Kurgu	19	152	School	6	27	33
437	Yakana Tsoho	Kende Kurgu	20	160	School	6	29	35
438	Tungar Maigunyya	Kende Kurgu	17	136	School	5	24	29

439	Sire Alhaji Bahase	Kende Kurgu	22	176	School	7	32	39
440	Iyaka	Kende Kurgu	182	1456	School	58	262	320
441	Lani	Kende Kurgu	284	2272	School	91	409	500
442	Rinaye	Kende Kurgu	136	1088	School	44	196	240
443	Sabon Gari	Kende Kurgu	146	1168	School	47	210	257
444	Tungar Yari	Kende Kurgu	31	248	School	10	45	55
445	Kumbobo	Kende Kurgu	510	4080	School	163	734	897
446	Tunga Nabungudu	Kende Kurgu	107	856	School	34	154	188
447	Tungar Borai	Kende Kurgu	46	368	School	15	66	81
448	Tunga Shebu	Kende Kurgu	34	272	School	11	49	60
449	Shiyar Bube Wanzan	Kende Kurgu	34	272	School	11	49	60
450	Tildeje	Kende Kurgu	32	256	School	10	46	56
451	Kurgu Gabas	Kende Kurgu	50	400	School	16	72	88
452	Kurgu Yamma	Kende Kurgu	32	256	School	10	46	56
453	Riniyel	Kende Kurgu	128	1024	School	41	184	225
454	Ratse Yamma	Kende Kurgu	18	144	School	6	26	32
455	Tungan Bata	Kende Kurgu	126	1008	School	40	181	221
456	Tungar Aliu	Kende Kurgu	151	1208	School	48	217	265

457	Tungar Sauna	Kende Kurgu	157	1256	School	50	226	276
458	Tungar Jodi	Lafagu Gante	5	40	Outreach	2	7	9
459	HA_8	Lafagu Gante	1	8	Outreach	0	1	1
460	HA_12	Lafagu Gante	2	16	Outreach	1	3	4
461	Tunga Alhaji Gero	Lafagu Gante	16	128	Outreach	5	23	28
462	Ruggan Fulani	Lafagu Gante	39	312	Outreach	12	56	68
463	Inwala	Lafagu Gante	4	32	Outreach	1	6	7
464	Gidan Suda	Lafagu Gante	3	24	Outreach	1	4	5
465	Hoho	Lafagu Gante	1	8	Outreach	0	1	1
466	Bargawa	Lafagu Gante	39	312	Outreach	12	56	68
467	HA_2	Lafagu Gante	6	48	Outreach	2	9	11
468	Tunga Bahago	Lafagu Gante	9	72	Outreach	3	13	16
469	T Banmu	Lafagu Gante	9	72	Outreach	3	13	16
470	Sarikawa	Lafagu Gante	1	8	Outreach	0	1	1
471	HA_1	Lafagu Gante	7	56	Outreach	2	10	12
472	Tunga Anini	Lafagu Gante	49	392	Outreach	16	71	87
473	Tunga Kade	Lafagu Gante	32	256	Outreach	10	46	56
474	Arawa	Lafagu Gante	46	368	Outreach	15	66	81

475	SSA_21364	Lafagu Gante	9	72	Outreach	3	13	16
476	Tungan Girma	Lafagu Gante	25	200	Outreach	8	36	44
477	Tunga Baleri	Lafagu Gante	10	80	Outreach	3	14	17
478	SSA_21320	Lafagu Gante	51	408	Outreach	16	73	89
479	SSA_21348	Lafagu Gante	5	40	Outreach	2	7	9
480	SSA_21349	Lafagu Gante	5	40	Outreach	2	7	9
481	SSA_21352	Lafagu Gante	5	40	Outreach	2	7	9
482	Tungar Daurayi	Lafagu Gante	20	160	Outreach	6	29	35
483	Jippere Mashaya	Lafagu Gante	112	896	Outreach	36	161	197
484	Tungan Nabage	Lafagu Gante	45	360	Outreach	14	65	79
485	Jippere Tudu	Lafagu Gante	115	920	Outreach	37	166	203
486	Taka Lafiya Mashaya	Lafagu Gante	66	528	Outreach	21	95	116
487	Gawasu	Lafagu Gante	56	448	Outreach	18	81	99
488	Tungan Loko	Lafagu Gante	18	144	Outreach	6	26	32
489	Tunga Maraye	Lafagu Gante	7	56	Outreach	2	10	12
490	Dakake	Lafagu Gante	22	176	Outreach	7	32	39
491	T Kambari	Lafagu Gante	6	48	Outreach	2	9	11
492	Tungar Faila	Lafagu Gante	62	496	Outreach	20	89	109

493	Gungun Hoge	Lafagu Gante	18	144	Outreach	6	26	32
494	Dogon Rini	Lafagu Gante	38	304	Outreach	12	55	67
495	Gusau A	Lafagu Gante	76	608	Outreach	24	109	133
496	Tunga Noma Jamba	Lafagu Gante	4	32	Outreach	1	6	7
497	T Danjuma	Lafagu Gante	19	152	Outreach	6	27	33
498	Tungan Labbo	Lafagu Gante	46	368	Outreach	15	66	81
499	Tunga Jodi	Lafagu Gante	44	352	Outreach	14	63	77
500	SSA_21482	Lafagu Gante	10	80	Outreach	3	14	17
501	Gidan Isyaka	Lafagu Gante	9	72	Outreach	3	13	16
502	Tunga Zuga	Lafagu Gante	157	1256	Outreach	50	226	276
503	Wahanu	Lafagu Gante	88	704	Outreach	28	127	155
504	SSA_21370	Lafagu Gante	19	152	Outreach	6	27	33
505	SSA_21355	Lafagu Gante	5	40	Outreach	2	7	9
506	SSA_21357	Lafagu Gante	8	64	Outreach	3	12	15
507	Binga	Lafagu Gante	8	64	School	3	12	15
508	Kawate	Lafagu Gante	116	928	School	37	167	204
509	Ganten Fadama	Lafagu Gante	256	2048	School	82	369	451
510	Tunga Munmuni	Lafagu Gante	99	792	School	32	143	175

511	Runtuwo Sarki	Lafagu Gante	85	680	School	27	122	149
512	T Maisaje	Lafagu Gante	43	344	School	14	62	76
513	SSA_17038	Lafagu Gante	36	288	School	12	52	64
514	R Bingel	Lafagu Gante	33	264	School	11	48	59
515	Ganten Tudu	Lafagu Gante	503	4024	School	161	724	885
516	Rontuwon Banki	Lafagu Gante	66	528	School	21	95	116
517	Tunga Lafagu	Lafagu Gante	186	1488	School	60	268	328
518	Lafagu	Lafagu Gante	401	3208	School	128	577	705
519	Nasarawa	Lafagu Gante	227	1816	School	73	327	400
520	Tunga Lawal	Lafagu Gante	185	1480	School	59	266	325
521	kwalla	Lafagu Gante	13	104	School	4	19	23
522	SSA_21358	Lafagu Gante	8	64	School	3	12	15
523	Mashayan Dogo	Lafagu Gante	181	1448	School	58	261	319
524	Tunga Barga	Lafagu Gante	33	264	Mosque	11	48	59
525	Yelwan Bargu	Lafagu Gante	57	456	Mosque	18	82	100
526	Runtuwo	Lafagu Gante	37	296	Mosque	12	53	65
527	Runtuwo Are go	Lafagu Gante	48	384	Mosque	15	69	84
528	Runtuwo Are go Kudu	Lafagu Gante	63	504	Mosque	20	91	111

529	Arego	Lafagu Gante	42	336	Mosque	13	60	73
530	Tungan Dobi	Lolo Giris	3	24	Outreach	1	4	5
531	Asarara	Lolo Giris	1	8	Outreach	0	1	1
532	Nafa	Lolo Giris	53	424	Outreach	17	76	93
	Tungan Tutu							
533	Atta	Lolo Giris	1	8	Outreach	0	1	1
534	Malauye	Lolo Giris	4	32	Outreach	1	6	7
535	SSA_17784	Lolo Giris	364	2912	Outreach	116	524	640
536	Gungure	Lolo Giris	109	872	Outreach	35	157	192
				Health Facility				
537	HA_1	Lolo Giris	11	88	Health Facility	4	16	20
				Health Facility				
538	Tungar Kungi	Lolo Giris	3466	27728	Facility	1109	4991	6100
	Tungan Wagiri				Health Facility			
539		Lolo Giris	960	7680	Facility	307	1382	1689
				Health Facility				
540	Ismail Maina	Lolo Giris	410	3280	School	131	590	721
541	Luguru	Lolo Giris	4	32	School	1	6	7
542	HA_5	Lolo Giris	1	8	School	0	1	1
543	Tungar Homa	Lolo Giris	649	5192	School	208	935	1143
544	SSA_16287	Lolo Giris	46	368	School	15	66	81
545	Bakin Wuya	Lolo Giris	50	400	School	16	72	88
546	Tondi Kaina	Lolo Giris	104	832	School	33	150	183
547	Tungan Giri	Lolo Giris	1	8	School	0	1	1
548	Kanshiba	Lolo Giris	24	192	School	8	35	43
549	SSA_17782	Lolo Giris	33	264	School	11	48	59
550	SSA_17786	Lolo Giris	81	648	School	26	117	143
551	SSA_17790	Lolo Giris	37	296	School	12	53	65
552	Bani Kani	Lolo Giris	46	368	School	15	66	81
	Tungar Mai Goda							
553		Lolo Giris	27	216	School	9	39	48
554	Runtowa Chama	Lolo Giris	18	144	School	6	26	32

	Tungan Garu							
555	Bani	Lolo Giris	29	232	School	9	42	51
556	Rina	Lolo Giris	45	360	School	14	65	79
557	Kuru Kuru	Lolo Giris	356	2848	School	114	513	627
	Tungar							
558	Muazu	Lolo Giris	145	1160	School	46	209	255
	Tungar Mai							
559	Birgi	Lolo Giris	225	1800	School	72	324	396
560	Wadata	Lolo Giris	112	896	School	36	161	197
	Runtuwa							
561	Chama Buli	Lolo Giris	54	432	School	17	78	95
	Tungan							
562	Isiyaka	Lolo Giris	141	1128	School	45	203	248
563	Sarhu	Lolo Giris	239	1912	School	76	344	420
564	Tondi	Lolo Giris	273	2184	School	87	393	480
	Runtuwa Kas							
565	Ashi	Lolo Giris	42	336	School	13	60	73
566	Runtuwa Iddo	Lolo Giris	26	208	School	8	37	45
567	SSA_17724	Lolo Giris	92	736	School	29	132	161
568	SSA_17727	Lolo Giris	76	608	School	24	109	133
569	SSA_17729	Lolo Giris	37	296	School	12	53	65
570	SSA_30868	Lolo Giris	75	600	School	24	108	132
	Matsinkai							
571	Dankayaye	Geza	7	56	Outreach	2	10	12
	Matsinkai							
572	Bawundiri	Geza	42	336	Outreach	13	60	73
	Matsinkai							
573	Asarara	Geza	7	56	Outreach	2	10	12
	Matsinkai							
574	Mamgalo	Geza	17	136	Outreach	5	24	29
	Kwanar							
575	Bagudo	Matsinkai	13	104	Outreach	4	19	23
	Matsinkai							
576	HA_2	Geza	1	8	Health Facility	0	1	1

577	Gangi	Matsinkai Geza	3	24	School	1	4	5
578	HA_4	Matsinkai Geza	3	24	School	1	4	5
579	HA_10	Matsinkai Geza	1	8	School	0	1	1
580	Tungar Mallam Bawa	Matsinkai Geza	7	56	School	2	10	12
581	Tungar Noma	Matsinkai Geza	7	56	School	2	10	12
582	Rugga Dikko Kwaite	Matsinkai Geza	12	96	School	4	17	21
583	Runtuwo Dikko Andare	Matsinkai Geza	5	40	School	2	7	9
584	Runtuwo Dikko Dotti	Matsinkai Geza	5	40	School	2	7	9
585	Ruggar Fulani	Matsinkai Geza	7	56	School	2	10	12
586	Maikwari Karamar Damba	Matsinkai Geza	4	32	School	1	6	7
587	Tunga Gwani	Matsinkai Geza	41	328	School	13	59	72
588	Kurukuru	Matsinkai Geza	94	752	School	30	135	165
589	Sisin Kwabo	Matsinkai Geza	17	136	School	5	24	29
590	Tafki Kande	Matsinkai Geza	27	216	School	9	39	48
591	Illela	Matsinkai Geza	59	472	School	19	85	104
592	Tungar Dunya	Matsinkai Geza	15	120	School	5	22	27
593	Kurgawa	Matsinkai Geza	41	328	School	13	59	72
594	Badariya	Matsinkai Geza	44	352	School	14	63	77

595	Rugga Fulani	Matsinkai Geza	27	216	School	9	39	48
596	Galbi Jibbo	Matsinkai Geza	125	1000	School	40	180	220
597	Galbi Ali	Matsinkai Geza	41	328	School	13	59	72
598	Tungar Kade	Matsinkai Geza	28	224	School	9	40	49
599	Tungar Kowo	Matsinkai Geza	34	272	School	11	49	60
600	Galbi	Matsinkai Geza	49	392	School	16	71	87
601	Farda Gabas	Matsinkai Geza	66	528	School	21	95	116
602	Tungar Kolo	Matsinkai Geza	26	208	School	8	37	45
603	Zugu Sabuwa	Matsinkai Geza	83	664	School	27	120	147
604	Zugu	Matsinkai Geza	339	2712	School	108	488	596
605	Tungar Taru	Matsinkai Geza	46	368	School	15	66	81
606	Tungar Ango	Matsinkai Geza	42	336	School	13	60	73
607	Bargawa Ba	Matsinkai Geza	120	960	School	38	173	211
608	Darbejiya	Matsinkai Geza	550	4400	School	176	792	968
609	Dorawai	Matsinkai Geza	88	704	School	28	127	155
610	Danfili	Matsinkai Geza	438	3504	School	140	631	771
611	SSA_22414	Sharabi Kwanguwai	17	136	Outreach	5	24	29

612	Garin Shanga	Sharabi Kwanguwai	30	240	Outreach	10	43	53
613	SSA_22397	Sharabi Kwanguwai	41	328	Outreach	13	59	72
614	Rugar Bammo	Sharabi Kwanguwai	3	24	School	1	4	5
615	Maidahini	Sharabi Kwanguwai	246	1968	School	79	354	433
616	Garin Daniya	Sharabi Kwanguwai	72	576	School	23	104	127
617	Garanda Yamma	Sharabi Kwanguwai	124	992	School	40	179	219
618	Maitambari	Sharabi Kwanguwai	267	2136	School	85	384	469
619	Kurtere	Sharabi Kwanguwai	141	1128	School	45	203	248
620	Tungar Gero	Sharabi Kwanguwai	126	1008	School	40	181	221
621	Magagamma Gabas	Sharabi Kwanguwai	34	272	School	11	49	60
622	Konguwai	Sharabi Kwanguwai	270	2160	School	86	389	475
623	Fanfarau	Sharabi Kwanguwai	195	1560	School	62	281	343
624	Sharabi	Sharabi Kwanguwai	424	3392	School	136	611	747

625	Ruggan Alhaji Manu Yamma	Sharabi Kwanguwa i	31	248	School	10	45	55
626	Shiyar Ubandawaki Alhaji	Zagga Kwasara	16	128	Outreach	5	23	28
627	Tungan Dabai	Zagga Kwasara	12	96	Outreach	4	17	21
628	Runtuwo Bammo	Zagga Kwasara	24	192	Outreach	8	35	43
629	Tungan Laila	Zagga Kwasara	8	64	Outreach	3	12	15
630	Tunga Halidu	Zagga Kwasara	15	120	Outreach	5	22	27
631	Runtuwar Dikko Dandale	Zagga Kwasara	18	144	Outreach	6	26	32
632	Kaura Samu	Zagga Kwasara	37	296	Outreach	12	53	65
633	Runtuwa Danladan	Zagga Kwasara	26	208	Outreach	8	37	45
634	Settinirde	Zagga Kwasara	28	224	Outreach	9	40	49
635	Gasibe	Zagga Kwasara	42	336	Outreach	13	60	73
636	Runtuwo Murundi	Zagga Kwasara	54	432	Outreach	17	78	95
637	Sirehere	Zagga Kwasara	57	456	Outreach	18	82	100
638	Tungan Jibbo	Zagga Kwasara	17	136	Outreach	5	24	29
639	Maisokoto	Zagga Kwasara	101	808	Outreach	32	145	177
640	Tungan Umaru Kamba	Zagga Kwasara	27	216	Outreach	9	39	48

641	Tungan Andi	Zagga Kwasara	21	168	Outreach	7	30	37
642	SSA_23806	Zagga Kwasara	19	152	Outreach	6	27	33
643	Ingonga	Zagga Kwasara	79	632	Outreach	25	114	139
644	Sire Modibbo	Zagga Kwasara	83	664	Outreach	27	120	147
645	Tilde	Zagga Kwasara	73	584	Outreach	23	105	128
646	Runtuwar Kwasara	Zagga Kwasara	18	144	Outreach	6	26	32
647	Tunga Kaka	Zagga Kwasara	20	160	Outreach	6	29	35
648	G Dodo	Zagga Kwasara	26	208	Outreach	8	37	45
649	Tungan Chindo	Zagga Kwasara	45	360	Outreach	14	65	79
650	SSA_17634	Zagga Kwasara	15	120	Outreach	5	22	27
651	Dalla	Zagga Kwasara	3242	25936	Health Facility	1037	4668	5705
652	SSA_17650	Zagga Kwasara	143	1144	Health Facility	46	206	252
653	Audu Na Lukku	Zagga Kwasara	9	72	School	3	13	16
654	Nagudale	Zagga Kwasara	13	104	School	4	19	23
655	Rugga Machal	Zagga Kwasara	17	136	School	5	24	29
656	HA_8	Zagga Kwasara	1	8	School	0	1	1
657	HA_1	Zagga Kwasara	7	56	School	2	10	12
658	HA_14	Zagga Kwasara	2	16	School	1	3	4

659	HA_4	Zagga Kwasara	3	24	School	1	4	5
660	Kwasara	Zagga Kwasara	777	6216	School	249	1119	1368
661	Tungan Talho	Zagga Kwasara	34	272	School	11	49	60
662	Tungan Auta	Zagga Kwasara	60	480	School	19	86	105
663	Tungan Samu	Zagga Kwasara	15	120	School	5	22	27
664	Mado Maikasuwa	Zagga Kwasara	60	480	School	19	86	105
665	Tungan Gumai	Zagga Kwasara	96	768	School	31	138	169
666	Tunga Rairai Sabon Gari	Zagga Kwasara	16	128	School	5	23	28
667	Danniki	Zagga Kwasara	36	288	School	12	52	64
668	Tungan Wanzan	Zagga Kwasara	137	1096	School	44	197	241
669	Kwaratagi	Zagga Kwasara	36	288	School	12	52	64
670	Tungan Daka	Zagga Kwasara	114	912	School	36	164	200
671	Tunga Baban Kura	Zagga Kwasara	13	104	School	4	19	23
672	Tunga Wanzan Yamma	Zagga Kwasara	67	536	School	21	96	117
673	Tunga Hassan	Zagga Kwasara	91	728	School	29	131	160
674	Tunga Jaki	Zagga Kwasara	15	120	School	5	22	27
675	Molakwai	Zagga Kwasara	48	384	School	15	69	84
676	Modo Maje	Zagga Kwasara	77	616	School	25	111	136

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677	Tukurwa	Zagga Kwasara	127	1016	School	41	183	224
678	Bani Kani	Zagga Kwasara	36	288	School	12	52	64
679	SSA_17640	Zagga Kwasara	20	160	School	6	29	35