



BASELINE

SUMMARY REPORT 2019

MAGUMERI

Local Government Area
Borno State



HIGHLIGHTS

Infrastructure Mapping

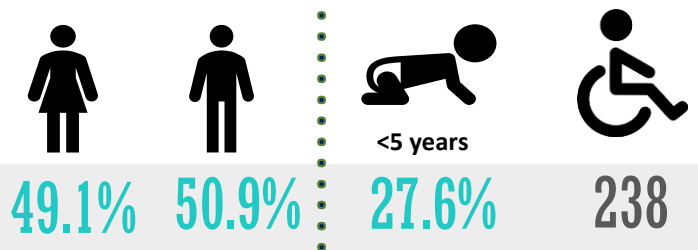


Magumeri
LGA
Borno State

LGA Facilities Count

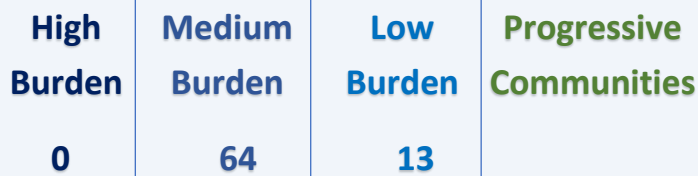


LGA Population 205,934

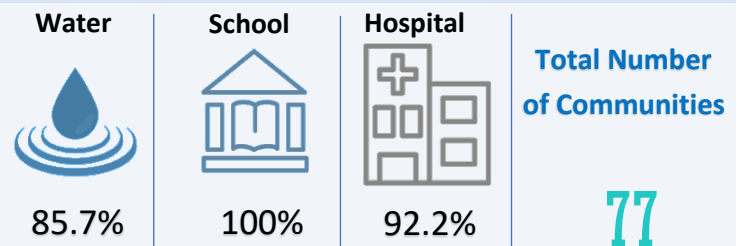


Communities Vulnerability

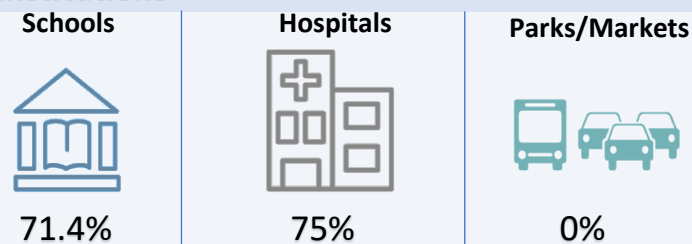
(Based on dwelling Unit Characteristics)



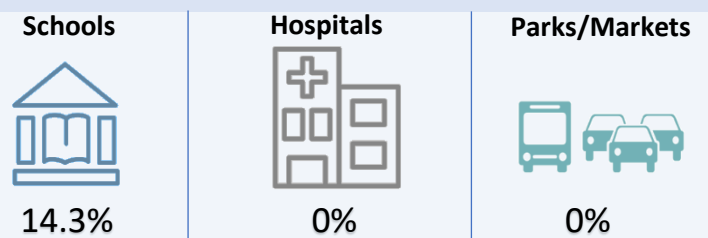
Communities without Basic Infrastructure



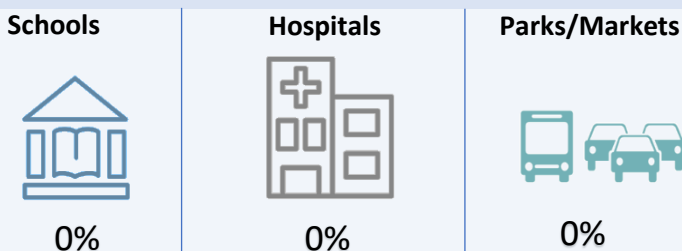
Access to Basic Water Supply in Public Institutions



Access to Basic Sanitation in Public Institutions



Institutional Access to Water and Sanitation Services



Average Distances to the nearest Social Facilities





Magumeri LGA Borno State



Household Highlights

Household Demography



There is an average of 5 persons per households.



15.2% of households members are children under 5 years old.



7.9% of the Households are headed by females



29.8% of the household heads are literate (able to read or write in any language)

Access to Basic Sanitation in Households



14.4% of the Household members use improved sanitation facilities

Access to Basic Water Supply Services



17.6% of the Household members have access to basic water supply services



24.1% of the Household members use unimproved water source

Disease Prevalence



46.9% of the households acknowledged that at least one of the members suffered from Diarrhoea in the past 6 weeks

Hygiene practice amongst households



83.5% of the Household heads that have knowledge of at least 2 critical times for handwashing

Access to Basic WASH Services



2% of the Household members use have access to basic WASH Services

Satisfaction with Public Services



11.9% of the Household members travels more than 30 minutes to the nearest Primary school



56.2% of the Household members travels more than 30 minutes to the nearest health facility

LGA BACKGROUND

Magumeri LGA, Borno State

Magumeri LGA is one of the 27 LGAs of Borno State. The LGA was created in OCT, 1991 and has its headquarters situated in Magumeri, one of the largest towns in the LGA with a total area of 4856 sq. km. Magumeri LGA has 13 council wards namely: Ardoram , Ayi/Yasku , Bamma, Borno Yesu , Furram, Gajiganna I ,Gajiganna II, Hoyo/Chingoa, Kalizoram Banoram, Kareram, Kupti, Magumeri, Ngamma and Ngubala /Bamma wards. . The inhabitants of the LGA are Predominantly Kanuri, mixed with few people from other tribes. The major language spoken by the people is Hausa and Fulani with a few other ethnic dialects. The culture of the people is expressed through their unique traditional authority systems, festivals and mode of dressing.

Magumeri LGA is flanked by Konduga/Jere to the East, Giedam/Kaga to the West, Konduga/Kaga to the South and Gubio to the North. The inhabitants are predominantly into farming and are engaged in cultivation of food and cash crops like: millet, guinea corn, groundnuts, beans etc.

Leadership in the LGA is made up of political and administrative heads; the LGA Executive Chairman supported by a Vice chairman. The Legislative Arm of the LGA is made up of councillors who are elected on two-year term. The LGA has a unique Traditional Institution which is vested with the oversight of the traditional affairs of the inhabitants.

The population of Magumeri LGA is estimated to be 205,934 people based on projection from 2006 National Census benchmark of 3% growth rate. There are about 5,792 households with an average of 35.6 persons per household. The LGA maintains an estimated population density of about 42.4 persons per sq. km. The male represents 50.9% while the female represents 49.1% of the population. Despite the LGA's contribution to the GDP, the people of Magumeri LGA are unable to meet their water, sanitation, and health care needs resulting in prevalence of disease conditions and high level of poverty.



SCOPE AND METHODOLOGY

Infrastructure mapping in the WASH Sector is a veritable tool in determining the status of water supply and sanitation facilities in communities, institutions, and public places. This is part of the overall efforts in improving data management and evidence-based planning in the on-going reforms in the WASH Sector.

The objective of the mapping exercise was not limited to assessment of WASH infrastructure but included extraction of information on access, management and sustainability of WASH services to inform planning and decision making within project LGAs.

This exercise covered all communities within the LGA. The survey was conducted by LGA-based enumerators with support and guidance from State Officers and Resource Persons. The key steps adopted in the conduct of this survey include; trainings, field testing, consultation, GIS-based inventory taking and field data collection using smartphones, data analysis and geospatial presentation of communities and facilities on maps.



**Enumerators in
Magumeri LGA during
Training Session**



Key Findings

Household Report

Magumeri LGA, Borno State

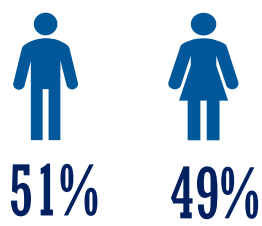


- *Household Demography and Description*
- *Housing Characteristics and Wealth Index*
- *Satisfaction with Public Services*
- *Diseases Prevalence*
- *General Household Sanitation and Hygiene Practices*
- *Access to Water Services*
- *Siting, Construction and Water Point Management*
- *Access to WASH Services*

Magumeri LGA, Borno State

Household Demography and Description

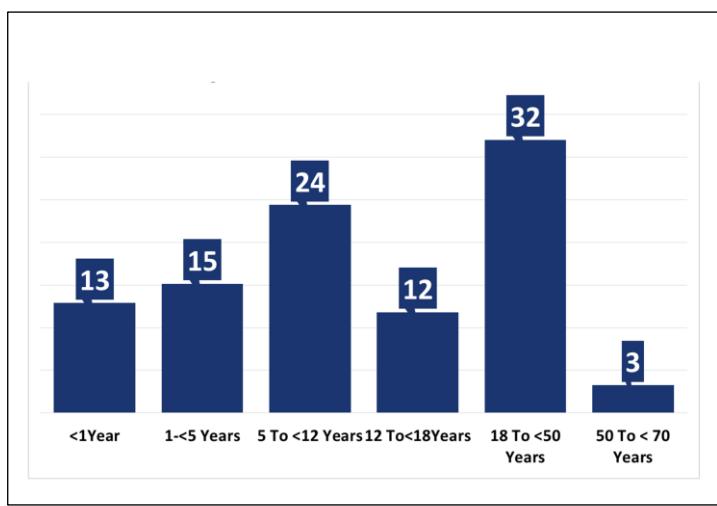
Population



An average of 5 persons live in a Household

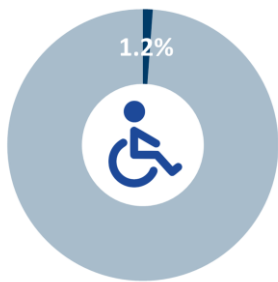
- ❖ 97.6% of the respondents have lived in their community of residence for more than 2 years.
- ❖ 7.9% of the households are headed by female.
- ❖ 97.5% of the respondents are engaged in one economic activity or the other.
- ❖ Children (below 18 years) make up 64.3% of the population. 15.2% of the children are under 5 years with 12.9% under 1 year.

Age Distribution of Household Members

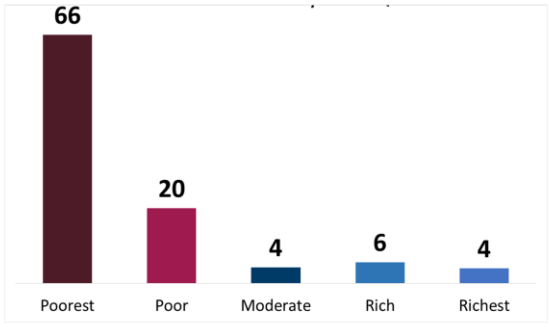


29.8% of household heads are literate

Percentage of Household with at least one person with disability



Distribution of Household by Wealth



Satisfaction with Public Services



11.9% and 13.3% of the children spends more than 30 minutes in accessing Primary and Secondary schools respectively



56.2% of the population takes more than 30 minutes in accessing Health Facilities

Disease Prevalence

- ❖ 65.2% of the households have at least one of the members suffered malaria in the past 6 weeks.

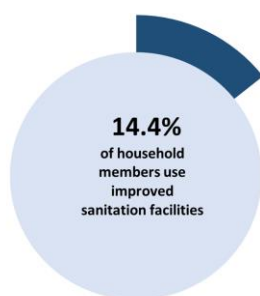
46.9%



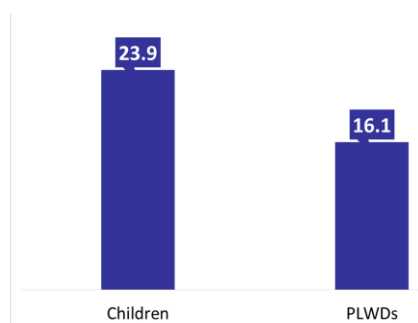
Suffered Diarrhoea in the past 6 weeks, 87.5% are children under 5

General Household Sanitation and Hygiene Practices

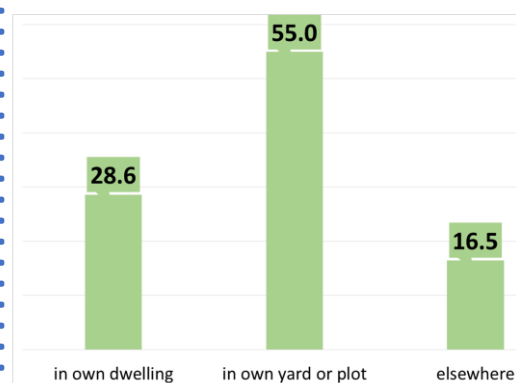
Percent of household members by Sanitation Facilities Used



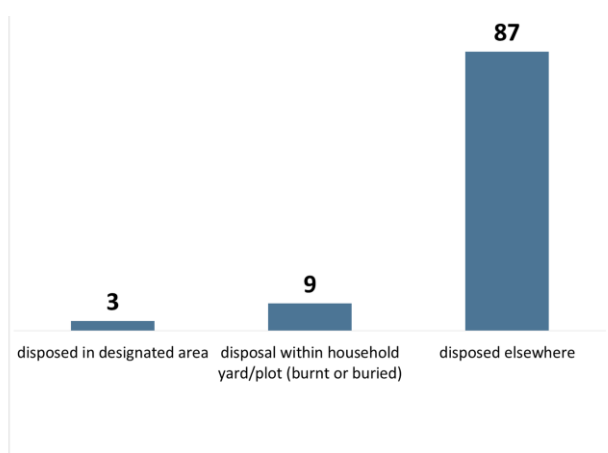
Safety of Latrine Platform & Drop hole



Location of Households' Toilet Facilities



Household garbage disposal practice



- ❖ 2.5% of the household use shared latrines. 55.9% of these household share their latrines with only those they know while the remaining share with public.
- ❖ 100% of the household's latrines are shared with less than 10 households.
- ❖ 97.9% of the HHs use their toilets at all times.

- ❖ 100% of HHs members could not use their toilet/latrine due to safety reasons.
- ❖ 75.6% of HHs members enjoy privacy while using the toilet/latrine.
- ❖ 0.8% of the Household members feels no risk while using the toilet/latrine.

- ❖ Most (88.7%) of the HHs dispose their under 5 children faeces by rinsing into toilets.
- ❖ 37.4% of HHs have evidence of faecal matter in their compound.
- ❖ 15% of the household compounds were obviously seen swept.

14.4%

of the HH Members use improved Sanitation facility

0.1%

of the HH Members have limited access to Sanitation Services

14.3%

Of the HH Members have access to Basic Sanitation Services

14.3%

of HH members use improved sanitation facilities with Handwashing facility and Soap

7.4%

of HH members use improved sanitation facilities that are not leaking, safely emptied, and treated

78.2%

of HH members practice open defecation

13.5%

of HH members living with disabilities find the HHs' improve latrine useable and accessible

83.5%

of HH heads that have knowledge of at least 2 critical times for handwashing

3.7%

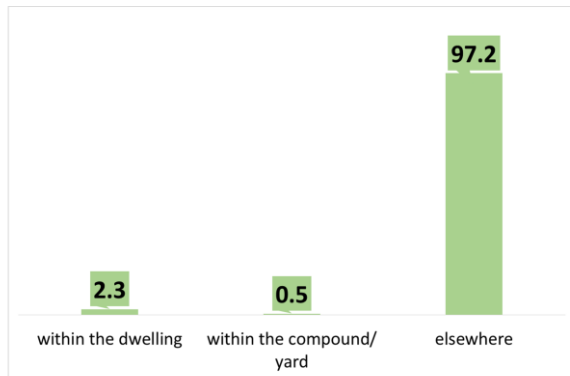
of HHs have fixed place for handwashing with water and soap present

56.1%

of HHs do not have soap and water in handwashing facility

Access to Water Services

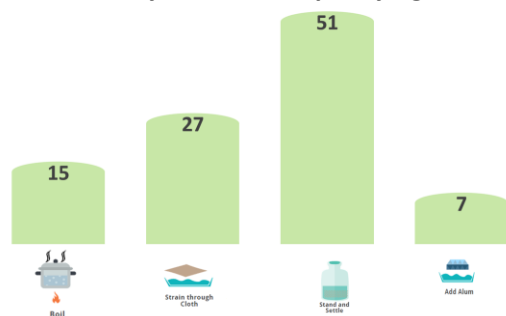
Location of Households' Water Facilities



Location of Households' Water Facilities



Proportion of HHs by Methods of purifying Drinking water



37% of household drink from Improved Water source



80.1% of household cover less than 1 km to the source of drinking water



For household with source of drinking water elsewhere, it takes an average of 78.6 minutes for household to access their drinking water.

- ❖ Average size of container for fetching drinking water among HHs is 166.7 litres.
- ❖ 52% of the HHs used covered containers in fetching drinking water
- ❖ 29.1% of HHs use a dedicated container in storing drinking water.
- ❖ 88.1% of HHs water storage containers are covered.



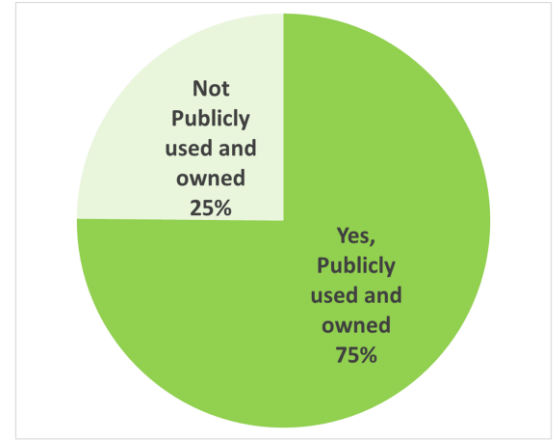
It takes an average of 63.1 minutes for HHs to fetch water during rainy season



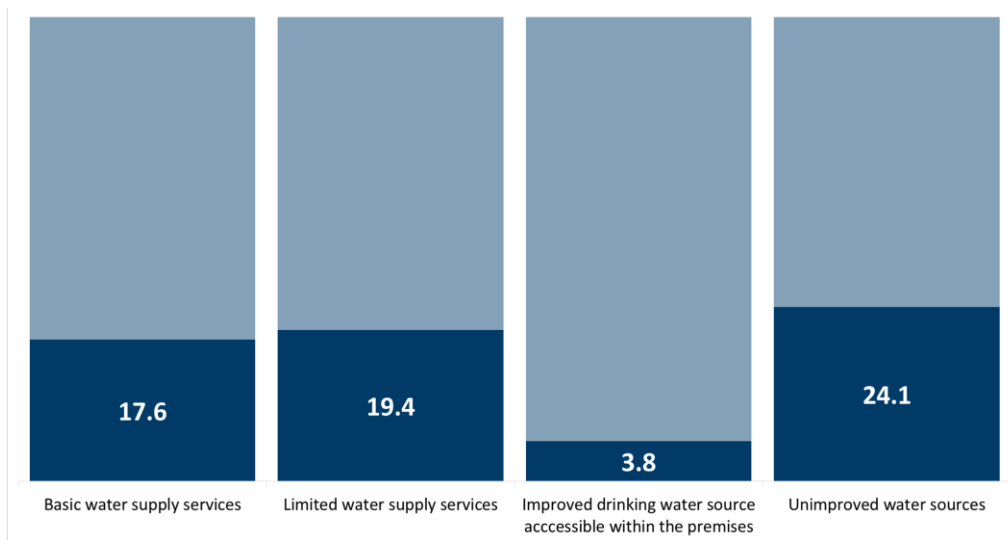
It takes an average of 57 minutes for HHs to fetch water during the dry season

- ❖ 79.2% of the HHs do not have sufficient quantity of water when needed

Ownership with respect to usage of HHs water source



Proportion of Households Access to Water Services



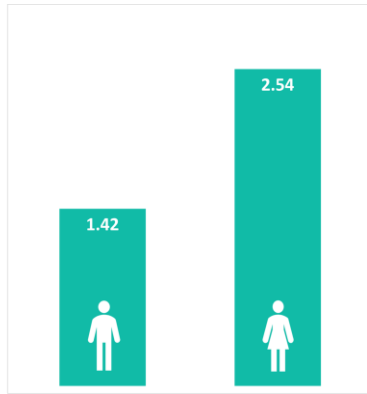
Siting, Construction and Water Point Management

- ❖ 3% of the HHs confirmed they were consulted in the siting of water points.
- ❖ 15.3% of the HHs contributed money for the construction of the water supply facility.
- ❖ 66.1% of the families in the communities contributed in kind to the construction of the water supply facility.
- ❖ 1.6% of the households pay for collection of water from the water point.
- ❖ 4.7% of the households acknowledge that they contribute for the repairs of the water supply facilities.

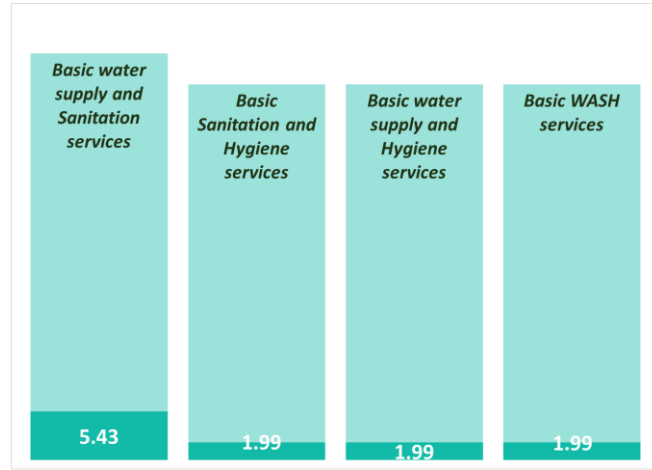
- ❖ 51.3% of the households with access to improved water point indicated that their water points have broken-down one time or the other. At these periods, repairs are mostly carried out by LGA Staff.
- ❖ 6.1% of the HHs confirmed that they are satisfied with the status of the water point
- ❖ 56.7% of the households indicates their willingness to contribute for the construction of a water point for the community.

Equity in Access to WASH Services

Access to WASH services by Gender of Head of Household



Level of Access to WASH Services among Households



Magumeri LGA

Community Mapping Report

- ❖ Settlement Class and Pattern
- ❖ Community Statistics
- ❖ Housing Characteristics
- ❖ Domestic & Communal Hygiene
- ❖ Social facilities
- ❖ Community Access & Income
- ❖ Water Supply Facilities
- ❖ Community Vulnerability



1 Community Mapping

COMMUNITY MAPPING

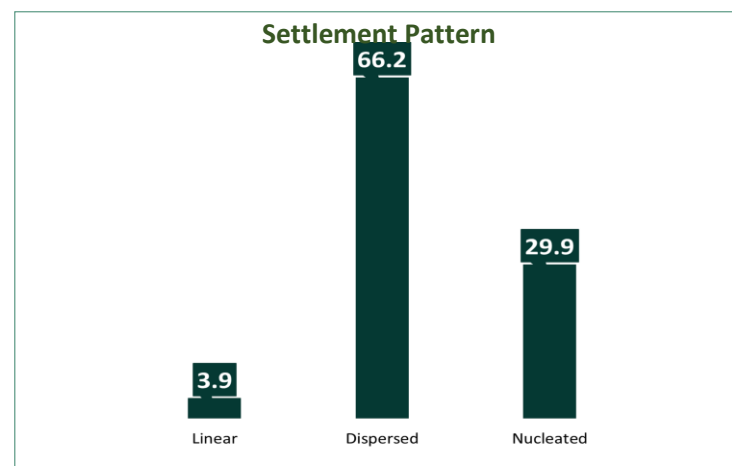
Magumeri LGA, Borno State

Settlement Class and Pattern

Communities across the LGA were surveyed based on Sector (Urban or Rural) and Sub-sectors.

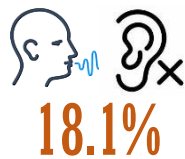
100%

Of the communities are in the Rural Sector



Community Statistics

Distribution of Persons Living with Disabilities



Others
24.8%

- ❖ The Local Government has an average of 75 households in a community, with an average of 63 houses
- ❖ About 205,934 people are living in the local Government Area, of which 49.1% are female. Children under 5 years makes up 27.6%
- ❖ 0.1% (238) of the population live with one disability or the other.

There are **77**
Communities in
the LGA

5,792
Household exists
in a community

Housing Characteristics



Houses in the LGA are classified based on material for building (Mud blocks, wood/bamboo/other local materials or sancrete blocks) and material for roofing (thatch and leaves, mud roof, waterproof/tarpaulin, or roofing sheets (Asbestos, Zinc, Aluminium, Tiles)

About 980 (20.1%) houses in the LGA are roofed with roofing sheet (zinc, aluminium, asbestos or tiles)

Materials for building

13.5

Mud Blocks

14.1

Sancrete Blocks

Social Facilities

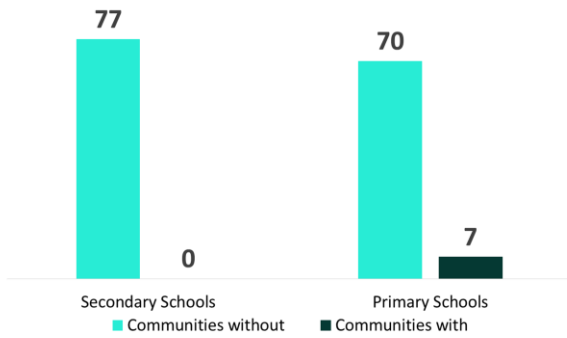
Some of the key social facilities studied include public and private owned Education and Health Care facilities. The education facilities include the primary, secondary, and non-formal schools. The health facilities are classified into the primary, secondary, and tertiary facilities.

Schools

Average Distances to Nearest Education Facility



Availability of Education Facilities Across Communities

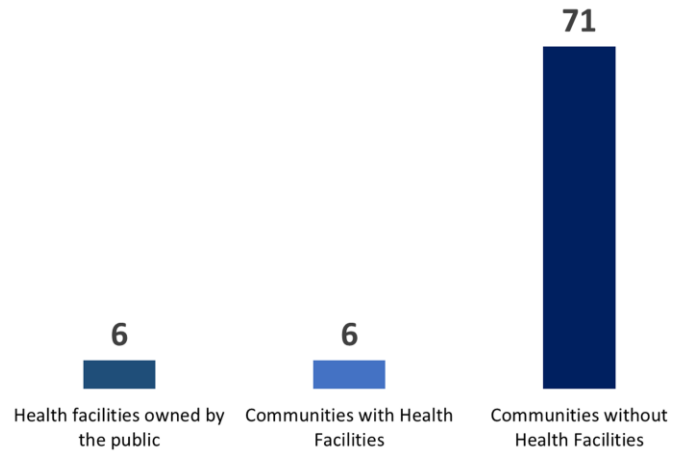


Health Facilities

Only **7.8%** Of the Communities have health facilities

It takes an average of **4.6km** to nearest health facilities for communities without one.

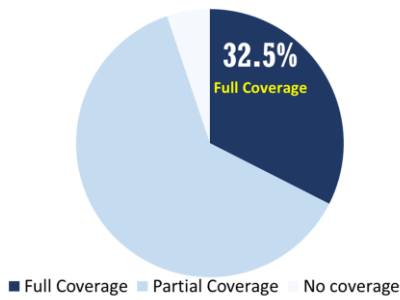
Health Facilities across the LGA





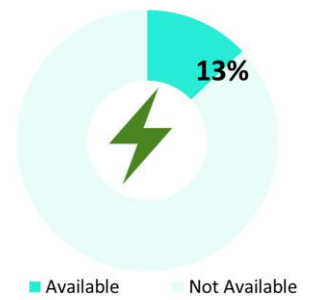
Telecom coverage and availability of Electricity supply are classified under other facilities.

Telecom Coverage across the LGA



- ❖ Out of 77 Communities in the LGA, only 10 (13%) have electricity
- ❖ 32.5% of the 77 communities have a full telecom coverage, 62.3% have a partial coverage, while 5.2% do not have network coverage at all.

Availability of Electricity across the LGA



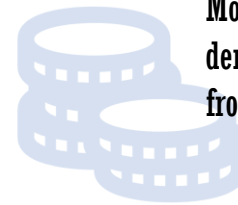
Access to Communities and their Major Occupation

96.1%

Of the communities are majorly accessed by road.

10.4%

Of the communities are difficult to access in rainy season

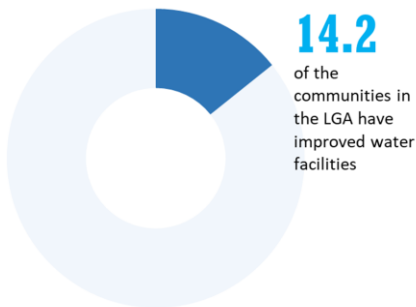


Most of the Communities derive their income mainly from **Farming**

Water Supply Facility



Communities with Improved Water Facilities

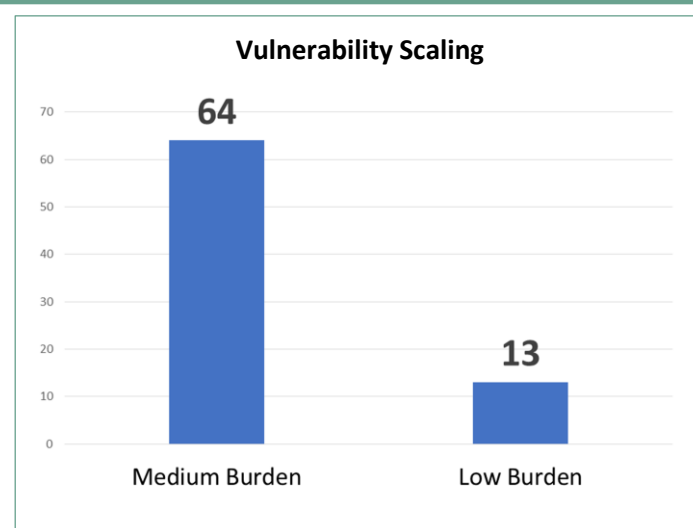


It takes an average of **3.1km** to nearest improved water supply facility for communities without one.

Communities Vulnerability



- ❖ On the vulnerability scale, using the households building characteristics, 83.12% (64) are at medium burden and 16.88% (13) at low burden, while None are progressive.
- ❖ Of the 13 Council ward in the LGA, H/Chingua Council ward have the highest burden followed by Magumeri Council Ward.





2

Water Facilities

- ❖ Water Point Information
- ❖ Access to Water Supply
- ❖ Water Facility Management
- ❖ Water Quality and Sanitary Inspection



WATER FACILITIES

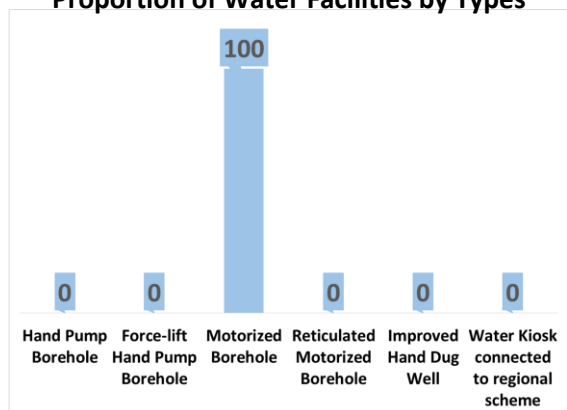
Magumeri LGA, Borno State

Water Point Information

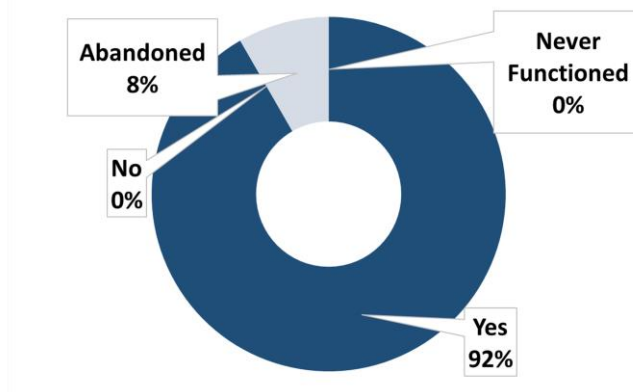


There are 12 Water Points Facilities in the LGA

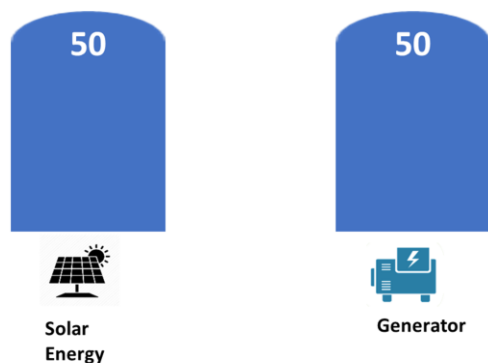
Proportion of Water Facilities by Types



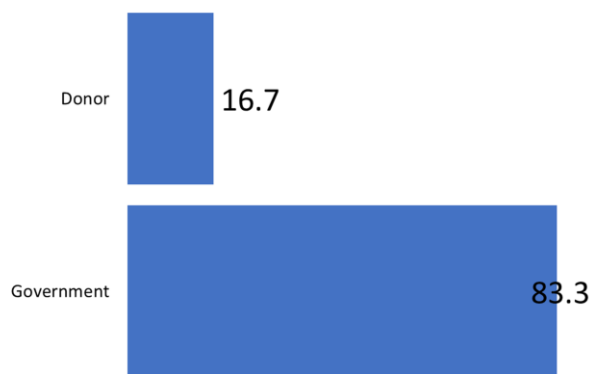
Functionality of Water Facilities



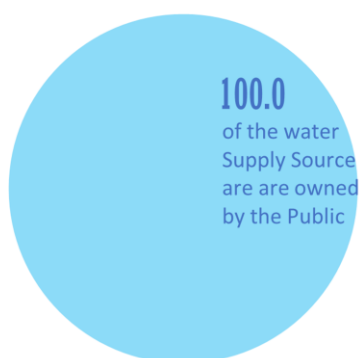
Proportion of Motorized Water Points by Power Source



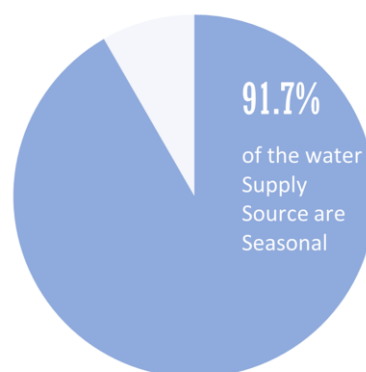
Proportion of Water Facilities by Sponsors



Ownership with respect to Usage



Seasonality of Water Supply Sources



91.7%

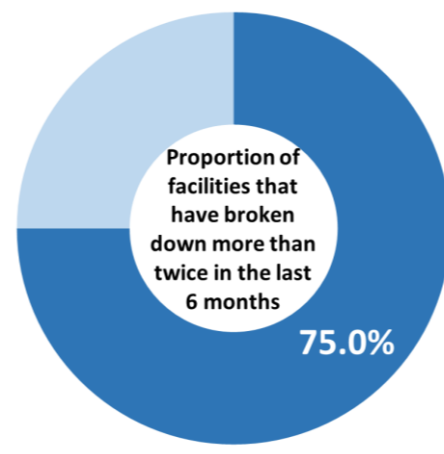
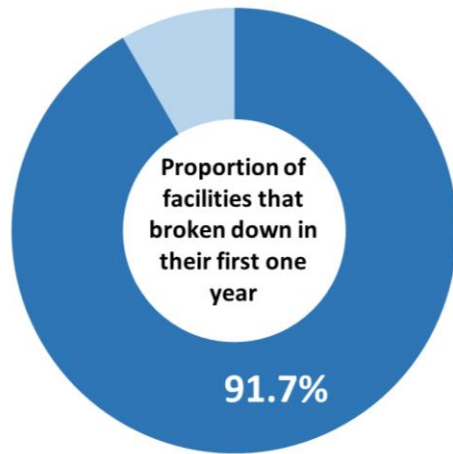
of the water points are in use

83%

of the water facilities are supported by the government

Most (25%) of the Facility break down are resultant from Poor Quality Of Materials Were Used During The Construction

Functionality of Water Point Facilities



Access to Water Supply

- ❖ Access to Improved water supply in Magumeri LGA is 93% with estimated 253,795 persons in the LGA having access to Improved Water Supply
- ❖ 7% of the LGA population are not covered due to non-functionality of the water points

For Communities,



18.2%

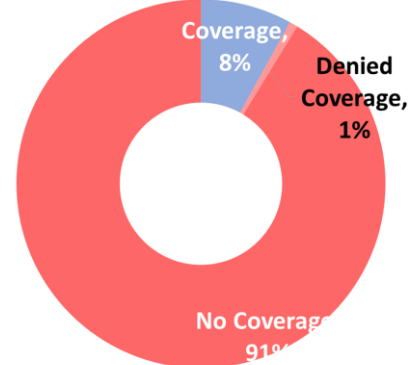
of the water facilities in rainy season are accessible in less than 5 minutes



27.3%

of the water facilities in dry season are accessible in less than 5 minutes

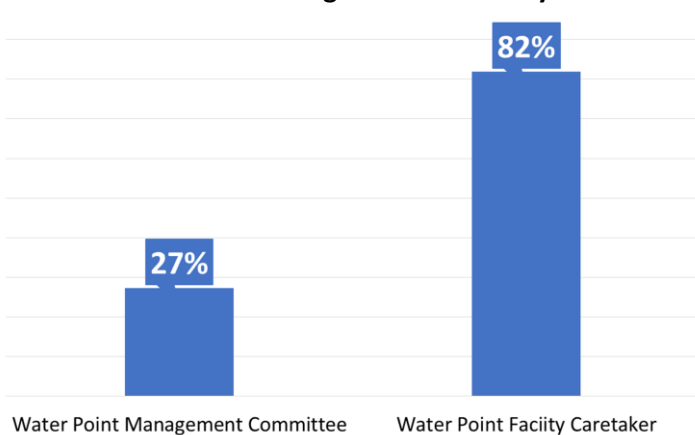
Water Supply Coverage



Water Facility Management

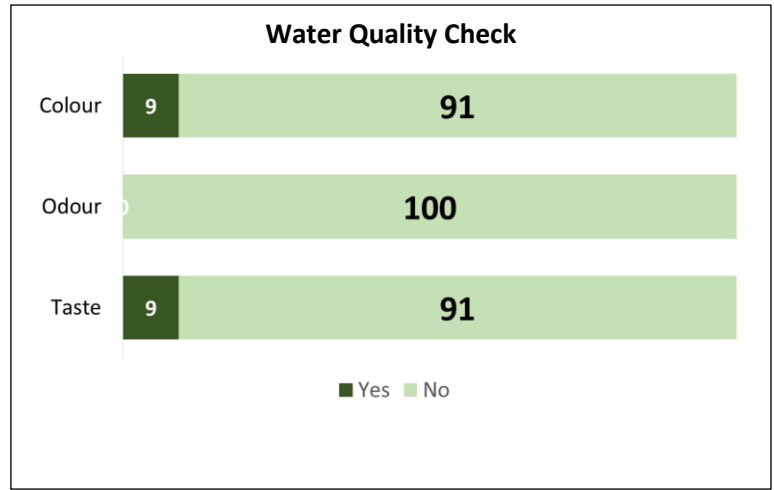
- ❖ Water Point management committees exist for 27.3% of the facilities while, 81.8% of the facilities have caretakers.
- ❖ Water tariff system is in place in only 0 (0%) out of the 12 improved water points in the LGA.
- ❖ The tariff system in use is mostly
- ❖ Most of the minor and major repairs are carried out by LGA Staff
- ❖ None of communities in the LGA travel for more than 1 hour in search of spare parts for water facilities repairs

Water Point Management & Tariff System



Water Quality and Sanitary Inspection

- ❖ There were no latrines found located within 30 metres radius, while in 18.2% of the water points, other sources of pollution (refuse dumps, water ponding, animal breeding etc.) are found within 30 metres radius.





Educational Facilities

- ❖ **School Description and Population**
- ❖ **Sanitation and Hygiene in Schools**
- ❖ **Access to Improved Water Facility in Schools**

EDUCATIONAL FACILITIES

Magumeri LGA, Borno State

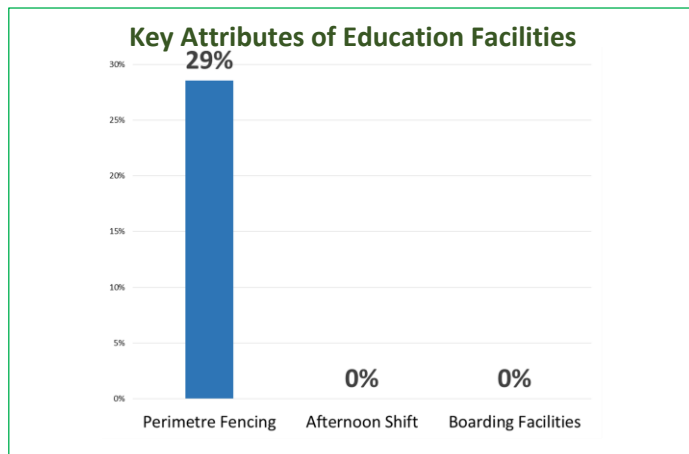
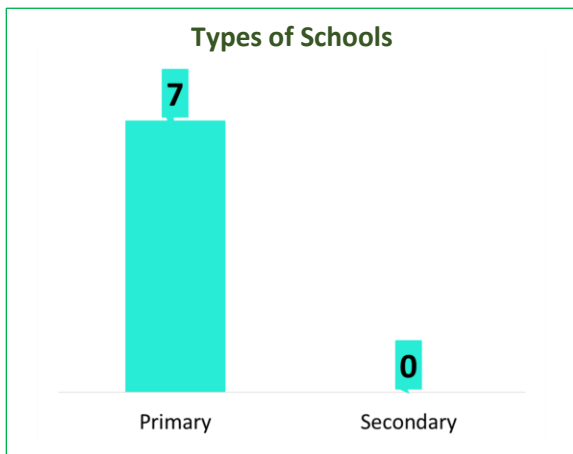
School Description and Population



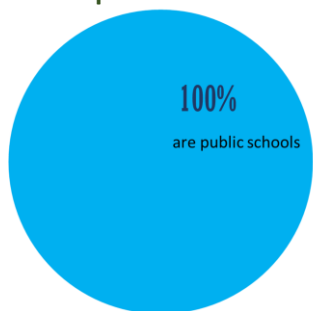
There are

7

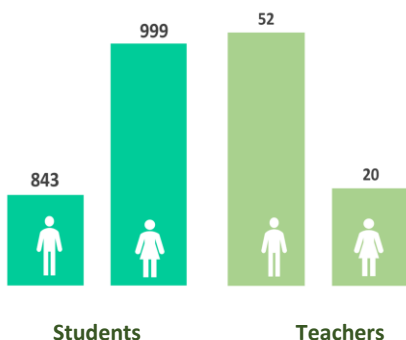
Schools in the LGA



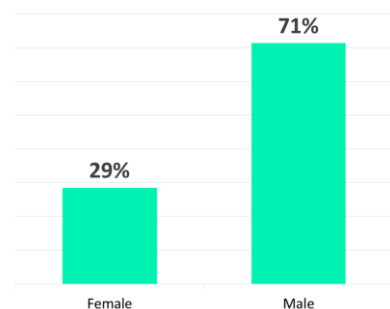
Ownership of Education Facility



Population in Education Facilities



Distribution of Students living with disabilities by Gender



Sanitation in Schools



42.9%

of the schools have at least one improved latrine

42.9%

of the schools have at least one improved latrine that is always usable and available during the school day

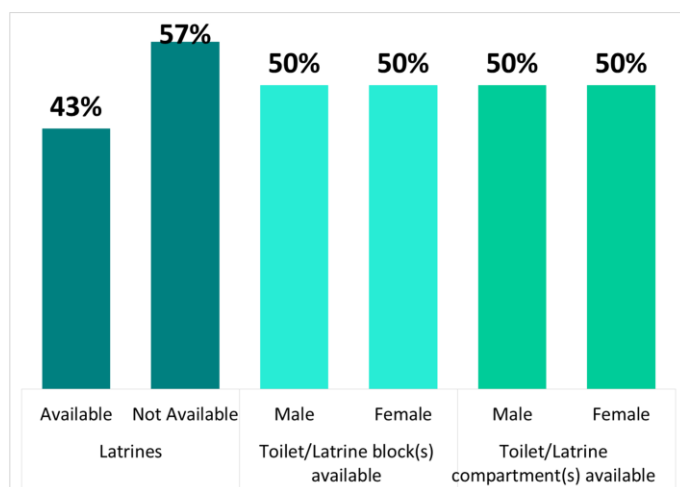
14.3%

of the schools have Basic sanitation service (i.e. having improved sanitation facilities at the school that are single-sex and usable (available, functional, and private) at the time of the survey

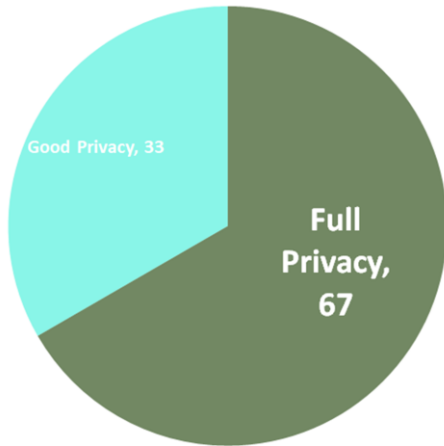
28.6%

of the schools have improved latrines within the building

Availability of Sanitation and Hygiene Facilities in Schools



Privacy of Girls while using School Latrines

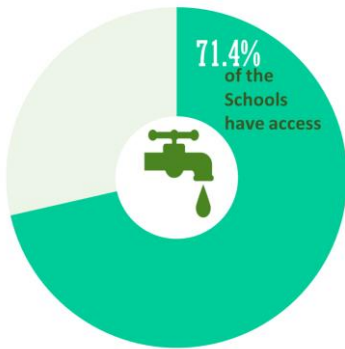


An Education Facility in Magumeri LGA

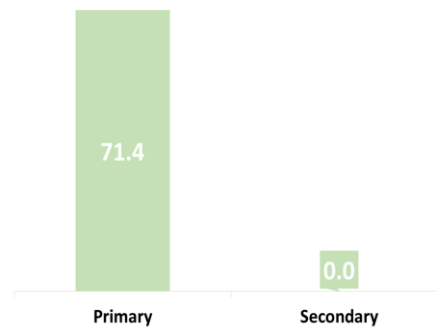
Access to Improved Water Facility in Schools



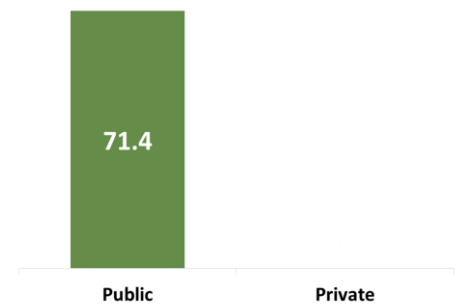
Access to Improved Water Supply



Access to Improved Water Supply in Schools by type of Schools



Access to Improved Water Supply in Schools by ownership of Schools



Levels of Access to Water Supply in Schools

None

of the Schools have access to basic water supply services (i.e. schools that drinking water from an improved source and water is available at the school at the time of survey)

None

of the Schools have improved water supply facility within premises and accessible to PLWDs

4

Health Facilities

- ❖ Description of Health Facilities
- ❖ Health Facilities Service Records
- ❖ Sanitation and Hygiene Services in Health Facilities
- ❖ Access to improved Water Facilities in Health Facilities

HEALTH FACILITIES

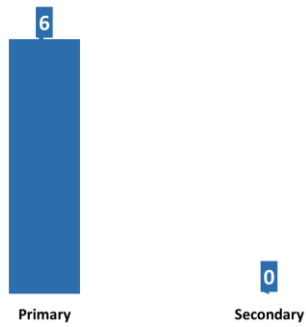
Magumeri LGA, Borno State

Description

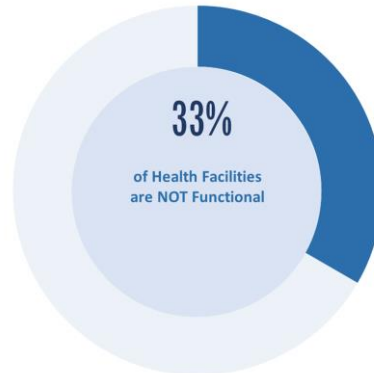


There are 6 Health Facilities in the LGA.

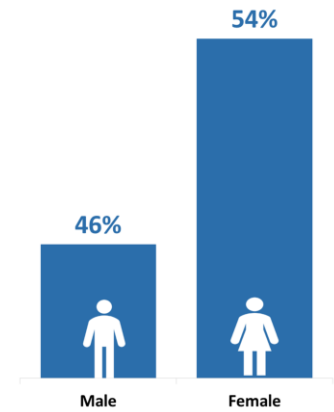
Types of Health Facilities



Functionality of Health Facilities



Gender of Health Personnel



Health Facilities Service Records



501

Average monthly sick report in PHC facilities

474

Average monthly in-patients in PHC facilities

65

Average diarrhoea cases per month in the past 12 months

12

Average number of health workers in Primary Health Care (PHC) facilities

40

Average diarrhoea cases per month in the past 12 months amongst under 5 years





100%

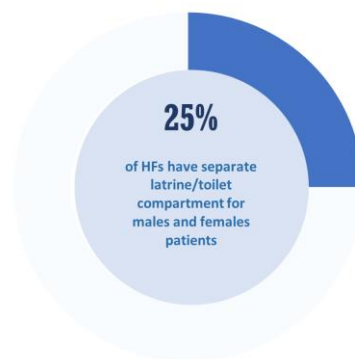
of the Health Facilities have Limited Sanitation Service

100%

of the Health Facilities have garbage/waste safely separated into at least 3 labelled bins in consultation area and are safely disposed

None

of the Health Facilities have Basic Sanitation Service (i.e. HFs Improved sanitation facilities are usable with at least one toilet dedicated for staff, at least one sex-separated toilet with menstrual hygiene facilities, and at least one toilet accessible for people with limited mobility)



Access to Improved Water Facility in Health Facilities



50%

of the HFs with Basic Water Supply Service (i.e HF with functional improved water supply facility within the premises (in building or compound))

25%

of the HFs with Limited Water Supply Service (i.e HF with improved water supply facility within 250m but not all requirements for basic service are met)

75%

Of the Improved water Source in Health Facilities across the LGA are Tube well / Borehole

Public Places (Markets & Parks)

5

- ❖ Description
- ❖ Sanitation and Hygiene in Public Places
- ❖ Access to Improved Water Facility in Public Places

APPENDIXES



- Households Tables
- Communities Tables
- Water Tables
- Education Tables
- Health Tables
- Public Places (Market & Parks) Tables
- Community Vulnerability Ranking

APPENDIX 1

Household Tables

Households Demography

Households with Disabilities

At least 1 disability	1.2
None disability	98.8
Total	100

Age Distribution

<1Year	12.9
1-<5 Years	15.2
5 To <12 Years	24.4
12 To<18Years	11.8
18 To <50 Years	32.1
50 To < 70 Years	3.3
70 and Above	0.4
Total	100

Number of Household members **202,605**

Average Number of Persons per Household **5.1**

Sex of Household Heads

Female	7.9
Male	92.1

Literacy of Head of Households

Literate	29.8
Non-Literate	70.2

Households with Disabilities

At least 1 disability	4
None disability	96

Duration of Stay in the community/Locality

6 months to 1 year	0.2
1 to 2 years	2.2
2 to 5 years	8.6
>5 years	88.9
Total	100

5 Quintiles of Wealth

Poorest	66.3
Poor	20
Moderate	4.2
Rich	5.6
Richest	3.9

Occupational status of Household Members

Student	0
Housewife	1.3
Retired /Pensioner	1.2
Farmer	90.4
Trader	2.2
Employee of Private Business	0.5
Self-employed	1.4
Civil Servant	2.9
Administrators	0
Professional	0
Others	0
Total	100
Total number of households	39,727

Satisfaction with Public Services

Travel Time to Health Facilities

Yes	56.2
No	43.8

Travel Distance Time to Education Facilities

Children Travel time to Primary School

Yes	11.9
No	32.2
Child not up to primary school age	2.1
Child more than primary school age	0.2
Child not attending school yet	39.5
DK	0.1
NA	14.1

Children Travel time to Secondary School

Yes	13.3
No	25.7
Child not up to secondary school age	4.4
Child not attending school yet	40.3
Child finished secondary school	1
DK	0
NA	15.3

Degree of Satisfaction with Public Services

Very Happy	0.5
Happy	20.5
Indifferent	38
Sad	29.2
Very Sad	11.9

Disease Prevalence among Households

HHs whose at least one member suffered malaria in the past 6 weeks	
yes	65.2
no	33.1
can't remember	1.7

Household who suffered Diarrhoea in the past 6 weeks	
yes	46.9
no	51.5
can't remember	1.6

Households with Diarrhoea cases in the past 6 weeks and amongst under 5 children	
yes	87.5
no	11.7
can't remember	0.9
Number of Households with Children under 5 whose member(s) suffered diarrhoea in the past 6 weeks	18,627

General Household Sanitation and Hygiene Practices

Types of Sanitation Facilities

Improved Sanitation facility	
Flush/Pour flush to:	
Flush to piped sewer system	0
Flush to Septic tank	1
Flushed to pit latrine	0
	0
Ventilated Improved Pit Latrine	0
Composting toilet	13
Pit latrine with slab	0.4
Twin Pit with slab	
Unimproved Sanitation Facility	
Flush/Pour flush to:	
Flush to somewhere else	0
Twin Pit without slab	0.2
Pit latrine without slab/open pit	7.3
No facility/Bush/Field	78.2
Others	0
Number of Household Members	202,605

Usage of sanitation facilities

Proportion of Household Members that use their HH toilets	
Yes	
No	
Number of Household members with toilet/latrines	

Proportion of HH members that use their HH toilets at all Times:	
Yes, at all times	97.9
No, not all times	2.1
Number of Household members that use toilet/latrines	32,847

Reasons for not using the toilets	
Unable to use the toilet	100
Unable to access the toilet	0
Toilet not always available	0
Toilet not clean most times	0
Toilet not safe to use	0
Other (specify)	100
Number of Household members that do not use the Toilets/Latrines at all times	680

Privacy of HH Toilets (prevent other people from seeing of hearing)	
Has privacy	75.6
No privacy	24.4

Risks while using HH toilet	
Risk Exists	0.8
No Risk	99.2
Number of household members using toilet/latrines facilities	44,257

Sanitation (Safe Disposal of Faeces)

Location of the toilet facility	
In own dwelling	28.6
In own yard or plot	55
Elsewhere	16.5

Emptying of Toilet facility	
Within the last 5 years	0
More than 5 years ago	5.9
Don't know when	0
No, Never Emptied	91.7
Don't Know	1.1
Number of Households with latrines	8,133

Emptying and Disposal of Faecal Sludge	
To a treatment plant	43
Buried in a covered pit	21.5
Don't know where	0
Buried in a covered pit	13.7
To uncovered, open ground, water body or	3.6
Elsewhere	18.2
Others	0
DK	0
Number of Households who emptied their Latrines/Toilets	590

Leakage or Overflow of Wastewater in Toilets/Latrines	
no, never	94.9
yes, sometimes	5.1
yes, frequently	0

Sharing of HHs Toilet/Latrine	
Shared	2.5
Not Shared	97.5
Number of Households with latrines	8,133

Facility Shared with:	
only with HHs that we know	55.9
General Public	44.1

Facility Shared with other HHs	
(less or equal to 10 HHs	100
more than 10 HHs	0
don't know	0
Number of Households that use shared Toilets /Latrines	202

Disposal of Children's faeces in the households with Children under 5 years	
Child used toilet	1.1
Put or rinsed into toilet	88.7
Put or rinsed into drain or ditch	0
Thrown into garbage (solid waste)	3
Buried	7.2
Left in the open	0
Used as manure	0
Eaten by animal	0
Number of Households with Children under 5years	24.4

Safety of Latrine Platform & Drop hole:	
For Children	
Safe	23.9
Not Safe	74.2
Was not possible to observe	1.9
For PLWDs	
Safe	16.1
Not safe	82
was not possible to observe	1.9
Number of Households with latrines	100

Handwashing close (within 10 metre) to Latrine	
Close	3.8
Not close	96.2
Number of Households with latrine	

Availability of Soap/Detergent/Ash attached to handwashing facility by the latrine	
yes	71.2
no	28.8

Evidence of Usage of Handwashing Facilities by household latrines	
yes, there is dampness suggesting use	71.2
yes, other evidences	0
no evidence	28.8
Number of Households with latrines and handwashing facilities within 10metres	309

Evidence of faeces in the compound	
yes , human faeces	6.4
yes , animal faeces	22.1
yes , faeces but unsure of source	8.9
no evidence is seen	62.6

Sweeping of Compounds	
seem obviously swept	15
does not seem obvious	42.3
obviously not swept	42.7

HH garbage disposal practice	
collected by formal service provider	0
collected by informal service provider	0.7
disposed in designated area	3
disposal within household yard/plot (burnt or buried)	8.5
disposed elsewhere	87.4
other (specify)	0
don't know	0.3
Number of Household	39,727

Households' rearing of livestock	
Close	27.3
Not close	72.7
Number of Household	

where livestock (cows, goats, birds, etc.) stay or sleep for households with livestock	
in the same house/room unit(s) where the household members	
in pens/stables within the yard/plot where the HH dwell	49.7
roam freely within the yard/plot where the HH dwell	12.6
in pens/stables in a different yard/plot	0.6
roam freely in a different yard/plot	6.8
bush/ forest/ elsewhere	29.3
don't know	0.3
Number of Households that have/rear livestock	10,837

Handwashing

after using the toilet	
yes	73.9
no	26.1

after changing a child's diaper	
yes	6.9
no	93.1

before eating	
yes	93
no	7

before preparing food	
yes	60.3
no	39.7

Others	
yes	0
no	100
Number of Household	39,727

Location for Handwashing in the Household	
in dwelling	2.8
in yard/plot	33.7
mobile object for handwashing observed (bucket/jug/kettle)	22.9
no handwashing place in dwelling/ yard/ plot	30.4
no permission to see	10.2
other reasons (specify)	0

Availability of Water at place of Handwashing	
water is available	19
water is not available	81

Availability of Soap, Detergent or Ash at place of Handwashing	
soap, detergent or ash available	10.1
soap, detergent or ash not available	89.9

Type of Soap available at the place of handwashing	
bar soap	73.7
liquid soap	0
detergent	17.5
ash	8.8
others specify	0
Number of households with soap at the fixed place for handwashing	1,458

Availability of Soap in Household	
Available	4.8
Not available	95.2
Number of Household	39,727

Available soap/detergent in households shown.	
Seen	79.9
Not seen	20.1
Number of Households where soap is available	1,924

Handwashing demonstration	
demonstrated handwashing with soap under running water	2.5
demonstrated handwashing with soap but not under running water	11.3
demonstrated handwashing under running water but without soap	1.3
demonstrated handwashing without running water and without soap	66
not willing to demonstrate	18.8
Number of household	39,727

Access to Water

Main Source of drinking Water

Improved Sources	
Piped Into:	
into dwelling	2.4
into yard/compound/plot	0.7
to neighbour	0.5
public tap / standpipe	10.4
tube well / borehole	17.2
protected dug well	3.2
protected spring	0
rainwater collection	0.5
tanker-truck	0
cart with small tanker / drum	2.1
bottled water	0
sachet water	0
Unimproved Sources	
unprotected dug well	24.1
unprotected spring	0
surface water (river, stream, dam, lake, pond, canal, irrigation)	38.9
others (specify)	0
Number of Household members	202,605

Main source of Cooking water for HHs that drink packaged water

Main source of water used by your household for other purposes such	
Tube well / Borehole	0
Protected Dug Well	0
Unprotected Dug Well	0
Surface water (river, stream, dam, lake, pond, canal, irriga	0
Number of Household members that drink packaged water	0

Water Supply

water source location	
within the dwelling	2.3
within the compound/ yard	0.5
elsewhere	97.2

Distance covered to source for drinking water	
less than 100m	19.8
more than 100m but less than 500m	49.5
more than 500m but less than 1km	10.9
more than 1km but less than 2km	13
more than 2km but less than 4km	3.4
more than 4km	3.4
don't know	0.1
Number of Households water source located elsewhere	37,916

Average Time it takes to go there, get water, and come back (Minutes)	78.6
---	------

Person usually collecting drinking water	
adult women and girls (age 15+ years)	24.7
adult men and boys (age 15+ years)	33.4
girls (under 15 years)	0.2
boys (under 15 years)	1
adult women and men (age 15+ years)	4
boys and girls (under 15 years)	5.8
everyone	30.5
Don't know	0.3
Number of trips each day (on the average) to collect water for the household	7
Number of Household with Water source location elsewhere and go to fetch and collect water	37,916

Container used for fetching water for the household (Observed and Measured Container Size in Litres)	
0<10	0.4
10<20	0.2
20<30	35.8
30 and above	63.7
Average size of container used by HH to fetch water	167

Same Container used to fetch drinking water	
Same	47.8
Not same	52.2
Number of Household with Water source location elsewhere and go to fetch and collect water	100

Type of container usually used to fetch/collect for HHs that use different container for fetching drinking water	
jerrycan	50.4
bucket	19.1
basin	16.5
pot	14.1
others	0
Number of Household with Water source location elsewhere and use different container for fetching drinking water	20,185

Container used for fetching drinking water with cover	
With Cover	52
Without cover	48
Number of Household with Water source location elsewhere, within compound/yard and go to fetch and collect water	38,305

Where Drinking water for the household is usually kept/stored	
a dedicated container is used for storing drinking water	29.1
no dedicated container for storing drinking water	66.1
denied access and was not able to observe	4.8
Number of Households using water sources not connected into dwelling	39,198

Drinking water storage container covered	
Covered	88.1
Not covered	11.9
Number of households with dedicated container for storing drinking water	11,397

Seasonality of Water Supply and Safe treatment

done anything to make water safer to drink	
yes	1.9
no	97.9
don't know	0.2
Number of households	39,727

actions taken to make water safer (multiple response):	
boil	14.9
add bleach /chlorine/ water guard	0
strain it through a cloth	26.6
use water filter {ceramic, sand, clay composite, etc.}	0
solar disinfection	0
let it stand and settle	51.1
add alum	7.4
add water tablet/liquid	0
Others	0
Don't know	0
Number of households that take action(s) to make water safer	759

Different sources of drinking water during the dry and rainy seasons	
Different sources	11
No other source	88.4
Don't know	0.6
Number of households	39726.5

Average Number of Minutes for fetching	
Dry season	63.1
Rainy Season	57
Number of households that use different water sources in the dry and rainy seasons	4,373

Household did not have sufficient quantities of drinking water when needed	
yes, at least once	79.2
no, always sufficient	18.1
don't know	2.7

Main reason household was unable to access sufficient quantities of water when needed	
water not available from source	76
water too expensive	10.1
source not accessible	11.4
others	0
don't know	2.5
Number of Households unable to access sufficient quantity of water when needed	31,448

Water always available from the main water source	
yes, always	13.5
no, most of the time	49.2
no some of the time	27.6
no rarely available	8.8
Don't know	0.9
Average number of Hours the water from the main source water was NOT available each day In the past two weeks	39,727

Water from the main source NOT available for at least 1 full day In the past two weeks	
Yes, was not available for a full day	11.8
No, Not for a full day	56.1
Don't know	41.8
DK	2.1
Number of Households where water from the main source is not always available	34,356

Household's main water source publicly owned and publicly used (communal) water supply facility	
Yes, Publicly used and owned	75
Not Publicly used and owned	24.8
Don't know	0.1
Number of households	39726.5

Consulted in the decision for the siting of the Water facility	
Consulted	3
Not Consulted	97
Number of Households using communal water sources	29811.3

Water Facility Management

Contributed to construction of water facility	
yes, in cash	15.3
yes, in kind	66.1
yes, in cash and kind	0
no payment	18.7
Don't know	0
Number of Households using communal water sources who were consulted	892

Payment for water collection by your Household	
Yes, pay	1.6
No Payment	98.4
Don't know	0
Number of Households using communal water sources	29,811

Payment for water collection apply to	
all	100
all but the poor and persons with disability	0
most HHs	0
Few HHs	0
Number of Households that pay to collect water from communal sources	492

Breakdown of water point facility in last 6 months	
Breakdown	19.7
No breakdown	57
Don't know	23.3
Number of Households using communal water sources	29811.3

Number of breakdown of water facility in last 6 months	
once	51.3
twice	39.3
3 times	7.8
4 times	1.7
5 times	0
over 5 times	0
Number of Households using communal water sources that broke down in the past 6 months	5,881

Facility Repair done by	
Facility Caretaker	1.9
Volunteers	0.4
Community Artisan	0
Local Area Mechanic	0
Service Contractor	0
LGA Staff	92.6
State Government Staff	0.7
never repaired	0.5
don't know	3.9

Households' Contribution for water facility repairs	
Contribution	4.7
No contribution	95.3
Don't Know	0
Number of Households whose facilities ever broke down in the last 6 months	5,881

Satisfaction with status of water facility	
Satisfied	6.1
Not satisfied	92.1
Don't know	1.8
Number of Households using communal water sources	

Aspect of dissatisfaction with present status of water supply	
quantity of water the HH is able to get	59.1
the quality (taste, odour, colour) of the water	17.3
the design/type of water point	5.4
the location	42.2
time spent to fetch	39.4
reliability/availability	31.8
other	2
Number of Households not satisfied with the service level	27462.2

Willingness to contribute toward construction/ expansion of service	
Will Contribute	56.7
Will Not contribute	43.3
Number of Households	39,727

Composite Indicators

Access to Sanitation Services	
Percentage of HH members using improved sanitation facility	14.4
Percentage of HH members with limited access sanitation services	0.1
Percentage of HH members with basic sanitation services	14.3
Percentage of HH members using improved sanitation facilities with Handwashing facility and Soap	1
Percentage of HH members using improved sanitation facilities that are not leaking, safely emptied, and treated	7.4
Percentage of HH members with access to safely managed sanitation services	7.4
Percentage of HH members practicing open defecation	78.2
Number of household members	202,605
Percentage of HH members living with disabilities who find the HHs' improve latrine useable and accessible	13.5
Number of household members in HHs with PLWD and have improve toilets/latrines	2377.6

Access to Water Supply Services	
Percentage of HH members using improved drinking water source	37
Percentage of HH members using improved drinking water source accessible within the premises	3.8
Percentage of HH members using improved drinking water source available everyday in the past two weeks	23
Percentage of HH members using improved drinking water source, accessible within the premises and available everyday in the past two weeks	2.2
Percentage of HH members using basic water supply services (using improved source, provided collection time is not more than 30 minutes for a round trip, including queuing)	17.6
Percentage of HH members using limited water supply services (using improved source for which collection time exceeds 30 minutes for a round trip, including queuing)	19.4
Percentage of HH members using unimproved water sources	24.1
Number of household member	202,605

Access to Hygiene Services	
Percentage of HH heads that have knowledge of at least 2 critical times for handwashing	83.5
Percentage of HHs with soap observed in their house	3.9
Percentage of HHs with fixed place for handwashing with water and soap present	3.7
Percentage of HH heads that demonstrated proper handwashing with water and soap under running water	2.5
Percentage of HHs that are likely to practice proper handwashing (with water and soap) at critical times (After using the toilet, after changing child's diaper, before eating and before preparing food)	1.4
Percentage of HHs where handwashing facility is not available on premises	40.6
Percentage of HHs with limited Hygiene Services (where handwashing facility is available on premises without soap and water)	56.1
Percentage of HHs with Basic Hygiene Services (where handwashing facility is available on premises and with soap and water)	3.3
Number of households	39,727

Access to WASH Services	
Percentage of HH members with access basic water supply and sanitation services (i.e population using improved source within 30 minutes collection time and using improved sanitation facilities that are not shared and available at the time of the survey	5.4
Percentage of HH members with access basic Sanitation and Hygiene services (i.e population using improved sanitation facilities that are not shared with handwashing facility with soap and water available on premises at the time of the survey.	2
Percentage of HH members with access basic WASH services (i.e population using improved source within 30 minutes collection time and using improved sanitation facilities that are not shared with handwashing facility with soap and water available on premises at the time of the survey.	2

Percentage of HH members with access basic water supply and Hygiene services	2
Number of HH members	202,605

APPENDIX 2

COMMUNITIES MAPPING

Community Housing and Population Census

Sector	%
Urban	0
Rural	100
Number of Communities	77
Sub-Sector	
Urban	
Urban	0
Peri-Urban	0
Rural	
Small Town	1.3
Rural	98.7
Itinerant	0
Number of Communities	77

Materials for Roofing

Thatch and leaves	71.8
Mud Roof	6.9
Waterproof/tarpaulin	1.2
Roofing Sheets (Asbestos, Zinc, Aluminium, Tiles)	20.1

Materials for Building

Mud blocks	13.5
Wood/Bamboo/Other Local Materials	72.4
Sancrete Blocks	14.1

Total Number of Houses Based on Actual House Count (Not Compounds)

4,876

Population Distribution

Male	50.9
Female	49.1

Overall Population

205,934

Proportion of Children Under 5 Years

Male	39.5
Female	60.5

%

Distribution of Households in Communities

Total Number of HHs in the Communities	5,792
Number of Communities	77
Average Number of HHs/Community	75

Population of People Living with Disabilities (PLWDs)

Disability Type

With Limited mobility	60
With Limited Vision	76
Hearing and Speech Impaired	43
Other Disabilities	59

Domestic and Communal Hygiene

Sanitation and Hygiene

HHs with Latrines	418
HHs without Latrines	5,374
Number of HHs Latrines	4,478
Number of Public Latrines Block	51
Average Number of HHs Latrines per Community	58

Access to Social Facilities

Educational Facilities in Communities

	Primary	Secondary
Communities with	9.1	0
Communities without	90.9	100
Average Distance to Nearest Education Facility	4.8km	10.0km

Availability of Health Facilities in Communities

Communities with	7.8
Communities without	92.2
Average Distance to Nearest Health Facility	4.6km

	%
Availability of Market	
Communities with	0
Communities without	100
Availability of WASH Facilities in Community Markets	
Markets with WASH	0
No, only water	0
No, only sanitation	0
No, None	0
Access to Other Basic Facilities	
Electricity	
Available	13
Not Available	87
Telecom Coverage	
Full	32.5
Partial	62.3
None	5.2
Total Number of Communities	77

Access to Improved Water Supply Facility

Access to Improved Water Supply Facility	
Communities with Access	14.3
Communities without Access	85.7

Functionality of the Improved Water Supply Facility

Functional	11
Non-Functional	2
Average Distance to Nearest Water Source	3.1km
Total Number of Communities	77

Community Access and Income Source		%
Main Access to Communities		
Road	96.1	
Boat	0	
By Foot	3.9	
Others		

Ease of Access in Rainy Season

Easy	10.4
Difficult	89.6

Main Source of Income

Farming	100
Fishing	0
Trading	0
Crafts	0
Civil Service	0
Total Number of Communities	77

Community Vulnerability Rating

Vulnerability Rating	
High Burden	
Medium Burden	83.12%
Low burden	16.88%
Progressive	0.00%
Total Number of Communities	77

APPENDIX 3

WATER FACILITIES

Facility Types Details

Facility Types

Hand Pump Borehole	0
Force-lift Hand Pump Borehole	0
Motorized Borehole	100
Reticulated Motorized Borehole	0
Improved Hand Dug Well	0
Rainwater Harvesting System	0
Public Stand Post connected to regional scheme	0
Water Kiosk connected to regional scheme	0
Developed Spring	0

Power Source (For Motorised Boreholes)

Solar	50
Windmill	0
Generator	50
Public Power Supply	0

Facility Construction by Support

Fed. Govt.	8.3
State Govt.	16.7
Local Govt.	58.3
Donor	16.7
Civil Society	0
Cooperate Organization	0
Community	0
Private Business	0
Private owner	0
Philanthropist	0
Others (Specify)	0

Ownership with Respect to Usage

Public	100
Private	0

Period of Completion of Water Facilities

Less than a year	8.3
1<2 years	0
2 years to < 3 years	33.3
3 years to < 5 years	0
5 years and above	58.3
Don't know	0

Seasonality of Water Sources

	Seasonal	Non-Seasonal
Hand Pump Borehole	0	0
Force-lift Hand Pump Borehole	0	0
Motorized Borehole	100	100
Reticulated Motorized Borehole	0	0
Improved Hand Dug Well	0	0
Rainwater Harvesting System	0	0
Public Stand Post connected to regional scheme	0	0
Water Kiosk connected to regional scheme	0	0
Developed Spring	0	0

Functionality of Water Facilities

Functionality of Water Sources		
Functional		91.7
Non-Functional		
Not now but previously		0
Never Functioned		0
Abandoned/ Not completed		85.7

Duration of Breakdown for Non-Functional Facilities

Less than 1 month	0
Between 1 to 3 months	100
Between 3 to 6 months	0
Between 6 to 12 months	0
More than 1 Year	0

Previous breakdown of Functional Facilities

Broken Down at Least Once	36.4
Never	63.6

Duration of facility functionality before its first breakdown

Less than 1 month	0
At least 3 but less than 6 months	0
At least 6 but less than 12 months	0
1 to 2 Years	0
More than 2 Years	0

Facility downtime before repair	
Within 24 hours	0
At least 24 but less than 48 hours	0
At least 2 but less than 7 days	0
At least a week but less than 2 weeks	0
At least 2 but less than 4 weeks	0

At least a month but less than 3 months	0
At least 3 months	0

Main reason for Facility Breakdown	
Facility was not well completed	0
Poor quality of materials was used during the construction	25
No training was done on operation and maintenance	0
No management committee	25
No tariff system	0
Lack of spare parts	0
Vandalization of the facility	0
Community conflict/crisis	25

Lack of participation/ ownership	0
Typical wear and tear / breakdown	25
Others (specify)	0
Don't know	0

Number of Breakdowns in the Past 6 Months	
None	3
1 to 2 times	25
3 to 4 times	75
5-6 times	0
Above 6 times	0

Availability of Water in the Past 2 Weeks	
Yes	100
No	0
Don't know	0

Number of days water was available each day for the past 2 weeks	
14 days	0
10 to 13 days	50
5 to 9 days	0
Less than 5 days	50

Average Number of Hours each day for the past 2 weeks	
12 hours and above	0
6 to 11 hours	25
3 to 5 hours	50
Less than 3 hours	25

Water from source not available for 1 full day in the past 2 weeks	
Yes	0
No	0
Don't know	0

Access to Water Supply Facilities	
Number of HHs that depend on the Water point	
Less than 10 HHs	0
10 to 30 HHs	27.3
31 to 50 HHs	9.1
More than 50 HHs	63.6

Water Facilities with Provisions for PLWDs	
Provided	0
Not Provided	100

Existence of HHs that would want to but not able to fetch from water source	
Such HHs Exist	27.3
Such don't Exist	72.7
Don't know	0

Main Reason for HHs that would want to but not able to fetch from water source	
Did not pay water tariff/levy	0
Source too far from the HHs	100
Did not contribute in the construction of water system	0
Community/ Personal Dispute	0
Social barriers/stigma	0
Others Specify	0
Don't know	0

Distance to Farthest HHs	
Less than 100 meters	36.4
101 to 500 meters	36.4
501 to 1000 meters	9.1
1001 meters to 2000 meters	0
More than 2000 meters	18.2

Average Waiting Time in:		
	Rainy	Dry
Less than 5 minutes	18.2	27.3
5 to 10 minutes	18.2	18.2
11 to 30 minutes	54.5	45.5
31 minutes to 2 hours	0	9.1
more than 2 hours	9.1	0

Water Supply Facility Management

Water Point Management Committee

In Place	27.3
Not in Place	72.7
Don't know	0

Membership of Management Committee

Male	6
Female	0

Water Point Facility Caretaker

In Place	81.8
Not in Place	18.2
Don't know	0

Sex of Facility Caretaker

Male	100
Female	0

Responsibility for Repairs

	Minor	Major
Facility Caretaker	0	0
Volunteers	0	0
Community artisan	0	0
Local Area Mechanic	9.1	0
Service Contractor	0	0
LGA Staff	72.7	72.7
State Govt. Staff	18.2	27.3
Never repaired	0	0
Don't Know	0	0

Travel time to location of spares more than 1-hour drive

More than 1 hour	0
Not more than 1 hour	0
Don't know	0

Water Tariff System in Place

Tariff in Place	0
Tariff Not in lace	100
Don't know	0

Method of tariff collection

HH flat rates	0
Per container	0
Metered rates	0

Average tariff rate (Naira)

For HH flat Rates: Amount collected per HH per Month	0
For per Container rate: Amount collected per 20 litres	0
For Metered rate: Amount collected per M3	0

HHs payments of tariff

All Households	0
Most Households	0
Few Households	0

Availability of Social Subsidy in tariff Setting

Available	0
Not Available	0
Don't know	0

Water Quality Status

Percentage of Water Facility Based on Water Quality Status

	With	Without
Taste	9.1	90.9
Odour	0	100
Colour	9.1	90.9

Water source tested for E. Coli in the last 6 months

Tested	9.1
Not Tested	90.9
Don't know	0

Result of E. Coli Test

Positive	0
Negative	100
Don't know	0

Water Facility Sanitary Inspection

Latrine/Septic Tank Located within 30m radius of water source

Located	0
Not Located	100

Latrine Located Uphill of Water source

Located	0
Not Located	0

Other sources of Pollution located within 30m radius of water source

Located	18.2
Not Located	81.8

APPENDIX 4

EDUCATIONAL FACILITIES

Details of Educational Facilities

Types of Schools

Primary	100
Secondary	0
Non-formal	0

Perimeter Fencing

Fenced	28.6
Not Fenced	71.4

School Shifts (Afternoon)

In Practice	0
Not in practice	100

School Boarding

In Practice	0
Not in practice	100

Ownership of School

Public	100
Private	0

Student/Pupil with disability

Male	5
Female	2

Population

	Student	Teacher
Male	843	52
Female	999	20

Access to Sanitation

Toilets/Latrines in the school

with toilet/latrine	42.9
without toilet/latrine	57.1

Type of toilet facility used in school

Improved sanitation facility

Flush/Pour-flush toilets	0
Pit latrines with slab	100
Compost Toilets	0

Unimproved sanitation facility

Pit Latrine without slab	0
Hanging Latrine	0
Bucket Latrines	0

No toilets/latrines on premises	0
--	----------

Location of toilets/latrines

	Within the school building	Outside building but on premises
Flush/Pour-flush toilets	0	0
Pit latrines with slab	100	100
Compost Toilets	0	0
Pit Latrine without slab		
Hanging Latrine		
Bucket Latrines		

Latrines/toilets usable

At least one useable	100
None useable	0

Useable Toilets/Latrines accessible to PLWDs

At least one useable	0
None useable	100

Students' Access/Permission to use school Toilet/Latrines

All times during the school day	100
During specific times during the school day	0
Never allowed to use toilets/Latrines	0

Toilet/Latrines block(s) available

Male	1
Female	1
Both sexes	

Toilet/Latrines compartment(s) available

Male	1
Female	1
Both sexes	

Urinal compartment(s) available

Male	0
Female	0
Both sexes	

Urinal compartment(s) useable

Male	0
Female	0
Both sexes	

Sanitation and Hygiene Practice**Frequency of Cleaning**

At least once per day	0
2-4 days per week	33.3

Once per week	33.3
Less than once per week	33.3

Cleanliness of Toilet/ Latrines

Clean	0
Somewhat Clean	33.3
Not Clean	66.7

Emptying of Pit/Septic Tank

Within the last 5 years	0
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More than 5 years ago	0
Don't know when	0

No, Never Emptied	100
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Don't Know	0
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Toilet/Latrine Leakage or Overflow of Wastewater

No, never	100
Yes, sometimes	0
Yes, frequently	0
	0

To a treatment plant

Buried in a covered pit (Service Provider)	0
Emptied in a body of water	0
Don't know where	0
Buried in a covered pit (School/Community)	0
To uncovered pit, open ground, water body or elsewhere	0
Others (Specify)	0
Don't know	0

Provision for Menstrual Hygiene Management in Schools'**Toilet/Latrine**

Yes, water and soap	0
Water, but no soap	33.3
No water	66.7
No girls in school	0

Covered Bins for Menstrual Hygiene Management in Girls' Toilet/Latrine

Available	0
Not Available	100

Disposal Mechanism for Menstrual Hygiene Waste

Available	0
Not Available	100

Privacy of Girls' Toilet/Latrine

Full privacy	66.7
Good privacy	33.3
Some privacy	0
Lacks privacy	0

Perception/Feeling of Privacy and Security in using School Toilet/Latrine and Urinals

full privacy and all the girls feel secure	66.7
good privacy and most of the girls feel secure	33.3
some privacy but many girls don't feel secure	0
lacks privacy and most girls don't feel secure	0

Access to Handwashing Facilities**Availability of Handwashing Facilities**

Available	0
Not Available	100

Accessibility of Handwashing Facility to PLWDs

Accessible	0
Not Accessible	0

Location of Handwashing facilities

Close to the toilet/latrine	0
Classroom	0
School yard	0

Food Consumption area	0
Others	0

Availability of Soap and Water

Yes, water and soap	0
Water only	0
Soap only	0
Neither water nor soap	0

Evidence of Usage of Handwashing Facilities

Yes, there is dampness suggesting use	0
Yes, other evidence	0
No Evidence	0
NOT applicable	0

Group Handwashing Facility within School Premises

Available	0
Not Available	0

Conduct of group Handwashing Activities

At least once per school day	0
2-4 days per week	0
Once per week	0
Less than once per week	0
Rarely Happens	0
Never Happened	0

Management of Solid Waste (Garbage)

Collected by municipal waste system	0
Burnt on Premises	71.4
Buried and covered on premises	28.6
Openly dumped on premises	0

Informal Service Provider	0
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Environmental Health in Schools

Available	0
Not available	100

Water Source Accessible to PLWDs

Accessible	0
Not Accessible	100

On-Budget Funds for Maintenance of WASH Facilities

Available	14.3
Not available	85.7
Not Applicable	0

Access to Improved Drinking Water in Schools**Main Source of Drinking Water**

Improved Water Source	
Piped water supply	28.6
Tube well / Borehole	42.9
Protected Dug Well	0
Rainwater collection	0
Unimproved Water Source	
Unprotected Dug Well	0
Protected Spring	0
Unprotected Spring	0
Tanker-truck or cart	0
Surface water (river, stream, dam, lake, pond, canal, irrigation channel)	0
Packaged bottle or sachet water	0

Location of Water Source

Connected to the school building	0
Within the school compound	40
Elsewhere, within 250m	60
Elsewhere, more than 250m	0

Water from Main Source Currently Available

Available	60
Not available	40

Water from Main Source Available Throughout in the Last 2 weeks

Available	100
Not available	0

Water from Main Source Typically Available throughout the School Year

Yes, always	60
Mostly, unavailable for not more than 30 days	20
No, unavailable for more than 30 days	20

Treatment of Water

Treated	0
Not Treated	100

Method of Treatment

Boil	0
Add bleach /Chlorine/ Water Guard	0
Strain it through a cloth	0

Support From SBMC/PTA/Community for Maintenance of WASH Facilities	
Available	0
Not available	100
Not Applicable	0

Use water filter {ceramic, sand, clay composite, etc.}	0
Solar disinfection	0
Let it Stand and settle	0
Add alum	0
Add water tablet/liquid	0
Other-Specify	0

APPENDIX 5

HEALTH FACILITIES

Description and Status of Health Facilities

Types of Health Facilities	
Primary	100
Secondary	0
Tertiary	0
Number of Health Facilities	6

Functionality of the Health Facility

Functional	66.7
Non-Functional	33.3

Number of Health Facilities

Male	21
Female	25

Access to Sanitation

Type of staff toilets/latrines at the Health Facility

Flush/Pour-flush toilets	25
Pit latrines with slab	75
Compost Toilets	0
Pit Latrine without slab	0
No toilets/latrines on premises	0

Number of Functional Health Facilities

Designated improved Staff Toilet/Latrines that are useable

Yes, there is an improved type on premises	50
No, at least one of these criteria are not met	50

Use of Staff Toilet/Latrine by Patients and their Families

Yes, all latrines are uses by both staff and patients	50
Yes, they use staff toilets/latrines and there are also other toilet/latrines for patients	25
No, staff and patients do not share latrine	25

Number of Improved Staff latrines in Health Facilities

	0
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Number of Staff Toilet/latrine compartments available

Male	0
Female	0
Both sexes	0

Location of staff toilets/latrines

Staff Toilet/Latrine facility within the Building

Improved sanitation facility	
Flush/Pour-flush toilets	0
Pit latrines with slab	100
Compost Toilets	0
Pit Latrine without slab	0
Bucket Latrines	0

Number of Health Facilities with Improved staff toilet/latrine within the building

	1
--	---

Staff Toilet/Latrine facility outside Building but within Premise

Improved sanitation facility	
Flush/Pour-flush toilets	0
Pit latrines with slab	100
Compost Toilets	0
Pit Latrine without slab	0
Bucket Latrines	

Number of Health Facilities with Improved staff toilet/latrine outside the building

	1
--	---

Type of Patients toilet/latrine at the Health Facility

Flush/Pour-flush toilets	50
Pit latrines with slab	50
Compost Toilets	0
Pit Latrine without slab	0
No patients' toilets/latrines within the premises	0

Number of health facilities where staff and patients' toilet are separate

	2
--	---

Location of Patients toilets/latrines

Patients Toilet/Latrine facility within the Building

Flush/Pour-flush toilets	0
Pit latrines with slab	100
Compost Toilets	
Pit Latrine without slab	0

No. of HF with improved and useable Patients Toilet/Latrine facility within the Building

	1
--	---

Patients Toilet/Latrine facility outside Building but within Premise

Flush/Pour-flush toilets	0
Pit latrines with slab	0
Compost Toilets	
Pit Latrine without slab	0

No. of HF with improved and useable Patients Toilet/Latrine facility outside Building but within Premise

	0
--	---

Improved useable Toilet/latrine available for patients	
Yes, there is an improved type on premises	50
No, at least one of these criteria are not met	50
No. of HFs with patient's Toilet/latrine available	
	0
Toilet/Latrine compartment(s) available for patients	
Male	2
Female	2
Both sexes	

Improved Toilet/latrine with facility for management of menstrual Hygiene needs	
Yes, there is at least one toilet/latrine that met all criteria	0
No, at least one of these criteria are not met	100

Toilet/latrine useable or accessible to PLWDs	
At least one useable	0
None useable	100
No. of HF with improved and useable Patients Toilet/Latrine facility	
	1

Sanitation and Hygiene Practice	
Frequency of Cleaning	
No, never	
At least once per day	0
2-4 days per week	100
Once per week	0
Less than once per week	0

Cleanliness of Toilet/Latrines	
Clean	0
Somewhat Clean	100
Not Clean	0
No. of HF with improved and useable Patients Toilet/Latrine facility	
	1

Management and Emptying of Faecal Sludge

Emptying of Pit/Septic Tank	
Within the last 5 years	0
More than 5 years ago	0
Don't know when	100
No, Never Emptied	0
Don't Know	0

Toilet/Latrine Leakage or Overflow of Wastewater	
No, never	100
Yes, sometimes	0
Yes, Frequently	0
No. of HF with improved and useable Patients Toilet/Latrine facility	
	1

Pit/Septic Tank Emptied To:	
To a treatment plant	0
Buried in a covered pit (Service Provider)	0
Don't know where	100
Buried in a covered pit (Facility/Community)	0
Don't know	0
Number of health facilities that have ever emptied their faecal sludge	
	1

Access to Handwashing Facilities	
Availability of Functional Handwashing Facilities at the point of care on the day of the survey	
Yes, water and soap	75
Water only	0
Soap only	0
Neither water nor soap	25

Availability of Handwashing Facility within or around the Toilet/latrine block	
Available	75
Not Available	25
Number of Functional Health Facilities	
	4

Accessibility of Handwashing Facilities to both staff and patients	
Accessible	66.7
Not accessible	33.3

Availability of Soap and Water at the Handwashing Facility by the Toilet/Latrine Block

Yes, water and soap	66.7
Water only	33.3
Soap Only	0
Neither water nor soap	0

Evidence of Usage of Handwashing Facilities by the Toilet/Latrine

Yes, there is dampness suggesting use	33.3
Yes, other evidence	33.3
No Evidence	33.3
Not Applicable	0

Number of Health facilities with Handwashing Facility within or around the Toilet/latrine block

	3
--	---

Management of Health Facility Waste**Waste is safely segregated into at least 3 labelled bins in the consultation area**

Safely segregated	50
Not Safely segregated	50
Not Observed	0

Treatment and/or disposal of sharps waste

Autoclaved	0
Incinerated (two chamber, 850-1000C incinerator)	474
Incinerated (brick incinerator)	0
Open burning	50
Open dumping without treatment	0
Chemical disinfection with hypochlorite	0
Not treated, but buried in lined, protected pit	25
Not treated and added to general waste	0
Not treated, but collected for medical waste disposal	25

Other (specify)	0
-----------------	---

Number of Functional Health Facilities	4
---	---

Treatment and/or disposal of infectious waste

Autoclaved	0
Incinerated (two chamber, 850-1000C incinerator)	0
Incinerated (brick incinerator)	0
Open burning	75
Open dumping without treatment	0
Chemical disinfection with hypochlorite	0
Not treated, but buried in lined, protected pit	0
Not treated and added to general waste	0
Not treated, but collected for medical waste disposal	25
Other (specify)	0

Disposal of solid waste (garbage) from the health facility

Collected by municipal waste system	25
Autoclaved	0
Incinerated/Burned on premises	0
Number of Functional Health Facilities	4

Access to Water in Health Facility**Main Source of Water****Improved Water Source**

Piped water supply	0
Tube well / Borehole	75

Protected Dug Well	0
Protected Spring	0
Rainwater Collection	0

Unimproved Water Source

Unprotected Dug Well	0
Unprotected Spring	0
Tanker-truck or cart	25

Surface water (river, stream, dam, lake, pond, canal, irrigation channel)	0
---	---

Packaged bottle or sachet water	0
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Others (Specify)	0
------------------	---

No Water source	0
------------------------	---

Location of Water Source

Connected to the Health Facility building	0
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Within the Health Facility compound	66.7
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Elsewhere, within 250m	33.3
------------------------	------

Elsewhere, more than 250m	0
---------------------------	---

Availability of Water from The Main Source at The Time of The Survey

Yes, observed	75
---------------	----

Yes, reported but not observed	0
--------------------------------	---

Not available	25
---------------	----

Availability of Water from the Main Source Throughout each day of the Last 2 weeks

Available	50
-----------	----

Not Available	50
---------------	----

Water from Main Source Typically Available throughout the year

Yes, always	75
-------------	----

Mostly, unavailable for not more than 30 days	0
---	---

No, unavailable for more than 30 days	25
---------------------------------------	----

Accessibility of Water Source to PLWDs

Yes	25
No	75

No. of HF with Improved water points 4

Alternative Source of Water Apart from the Main Source of Water**Improved Water Source**

Piped water supply	0
Tube well / Borehole	0

Protected Dug Well 0

Rainwater collection 0

Unimproved Water Source

Unprotected Dug Well 0

Unprotected Spring 0

Tanker-truck or cart 100

Surface water (river, stream, dam, lake, pond, canal, irrigation channel) 0

Packaged bottle or sachet water 0

No Alternate Water source 0

No. of HF that use bottle or sachet water as their main source of water 1

WASH In Health Facilities**Availability of a Dedicated/on-budget Fund for Cleaning and Maintaining of WASH Facilities**

Available	50
Not available	50
Not applicable	0

No. of HF with Improved water points 4

Average Number of:

Diarrhoea cases per month for the past 12 months 65

Diarrhoea cases per month for the past 12 months amongst under 5 years 39.5

APPENDIX 6

Community Vulnerability Scaling

S/N	COUNCIL WARD	COM. NAME	COM. CODE	SCORE	RANKING	STATUS
1	Galiganna	Gajiganna	BOR/161/0085	44	72	Low Burden
2	H/Chingua	Chingowa	BOR/161/0110	30	75	Low Burden
3	H/Chingua	Hoyo	BOR/161/0125	30	75	Low Burden
4	H/Chingua	Hoyo	BOR/161/0126	45	67	Low Burden
5	H/Chingua	Mallam Bukarti	BOR/161/0142	45	67	Low Burden
6	H/Chingua	Shettimari Zajiri	BOR/161/0297	45	67	Low Burden
7	Kareram	Bultamari	BOR/161/0204	30	75	Low Burden
8	Kareram	Kareram	BOR/161/0206	35	73	Low Burden
9	Kareram	Musanari	BOR/161/0209	45	67	Low Burden
10	Magumeri	Goniri	BOR/161/0227	45	67	Low Burden
11	Magumeri	Islamiya	BOR/161/0302	31	74	Low Burden
12	Magumeri	Lawanti	BOR/161/0303	47	66	Low Burden
13	Magumeri	Ajari	BOR/161/0314	49	65	Low Burden
14	Ardoram	Kashia'A	BOR/161/0005	65	1	Medium Burden
15	Ardoram	Jetete	BOR/161/0131	65	1	Medium Burden
16	Ardoram	Jororam A	BOR/161/0290	65	1	Medium Burden
17	Ardoram	Jororam B	BOR/161/0291	63	48	Medium Burden
18	Furram	Furram	BOR/161/0056	60	61	Medium Burden
19	Furram	Garwari	BOR/161/0057	65	1	Medium Burden
20	Furram	Goni Ganamari	BOR/161/0059	65	1	Medium Burden
21	Furram	Ali Ajiri	BOR/161/0292	65	1	Medium Burden
22	Furram	Musari	BOR/161/0284	65	1	Medium Burden
23	Galiganna	Maimeleri	BOR/161/0301	65	1	Medium Burden
24	Galiganna	Gajiganna Primary	BOR/161/0304	65	1	Medium Burden
25	Galiganna	Zamfara	BOR/161/0305	63	48	Medium Burden
26	Galiganna	Gajiganna Ajiri	BOR/161/0306	63	48	Medium Burden
27	H/Chingua	Ali Ajiri	BOR/161/0102	65	1	Medium Burden
28	H/Chingua	Chi'Ria	BOR/161/0109	63	48	Medium Burden
29	H/Chingua	Goni Awanari	BOR/161/0118	65	1	Medium Burden
30	H/Chingua	Goni Bukarti	BOR/161/0119	65	1	Medium Burden
31	H/Chingua	Goni Kimeri	BOR/161/0120	65	1	Medium Burden
32	H/Chingua	Goni Muktari	BOR/161/0121	63	48	Medium Burden
33	H/Chingua	Goni Musari	BOR/161/0122	63	48	Medium Burden
34	H/Chingua	Kaisamari	BOR/161/0133	65	1	Medium Burden
35	H/Chingua	Kuwami	BOR/161/0138	65	1	Medium Burden
36	H/Chingua	Kuwari	BOR/161/0139	65	1	Medium Burden
37	H/Chingua	Ladandi	BOR/161/0141	65	1	Medium Burden
38	H/Chingua	Matta Wango	BOR/161/0148	63	48	Medium Burden
39	H/Chingua	Musa Kannamiri	BOR/161/0155	65	1	Medium Burden
40	H/Chingua	Shettimari	BOR/161/0161	65	1	Medium Burden
41	H/Chingua	Shettimari	BOR/161/0162	65	1	Medium Burden
42	H/Chingua	Wambairi	BOR/161/0163	63	48	Medium Burden

S/N	COUNCIL WARD	COM. NAME	COM. CODE	SCORE	RANKING	STATUS
43	H/Chingua	Wanzamari	BOR/161/0164	63	48	Medium Burden
44	H/Chingua	Fateri	BOR/161/0285	63	48	Medium Burden
45	H/Chingua	Alajiri	BOR/161/0294	65	1	Medium Burden
46	H/Chingua	Mashari	BOR/161/0295	65	1	Medium Burden
47	H/Chingua	Barteri	BOR/161/0296	65	1	Medium Burden
48	H/Chingua	Barteri Goniri	BOR/161/0298	63	48	Medium Burden
49	H/Chingua	Bintu Wango	BOR/161/0338	65	1	Medium Burden
50	Kalizorom	Makintari	BOR/161/0193	65	1	Medium Burden
51	Kareram	Bulabulin	BOR/161/0203	65	1	Medium Burden
52	Kareram	Malumti	BOR/161/0208	65	1	Medium Burden
53	Kareram	Yusuwari	BOR/161/0286	65	1	Medium Burden
54	Kareram	Dungari	BOR/161/0287	65	1	Medium Burden
55	Kareram	Ganamari	BOR/161/0288	65	1	Medium Burden
56	Kareram	Kallari	BOR/161/0289	63	48	Medium Burden
57	Magumeri	Bulabulin	BOR/161/0315	55	62	Medium Burden
58	Magumeri	Alili	BOR/161/0219	65	1	Medium Burden
59	Magumeri	Kadauri	BOR/161/0230	63	48	Medium Burden
60	Magumeri	Kadauri	BOR/161/0231	65	1	Medium Burden
61	Magumeri	Kuli Nguro	BOR/161/0236	65	1	Medium Burden
62	Magumeri	Lawanari	BOR/161/0239	65	1	Medium Burden
63	Magumeri	Mairari A	BOR/161/0243	65	1	Medium Burden
64	Magumeri	Mairari B	BOR/161/0244	65	1	Medium Burden
65	Magumeri	Ngaburawa	BOR/161/0245	65	1	Medium Burden
66	Magumeri	Sheriff Bukarti	BOR/161/0248	65	1	Medium Burden
67	Magumeri	Dalari	BOR/161/0293	65	1	Medium Burden
68	Magumeri	Kasugula	BOR/161/0312	54	63	Medium Burden
69	Magumeri	Kajeri	BOR/161/0316	65	1	Medium Burden
70	Magumeri	Dauduri	BOR/161/0317	65	1	Medium Burden
71	Magumeri	Kajeri B	BOR/161/0318	65	1	Medium Burden
72	Magumeri	Modu Kimeri	BOR/161/0319	54	63	Medium Burden
73	Magumeri	Wakilti	BOR/161/0320	65	1	Medium Burden
74	Magumeri	Tamsuwa	BOR/161/0325	65	1	Medium Burden
75	Magumeri	Modu Suguri	BOR/161/0326	65	1	Medium Burden
76	Magumeri	Bindiri	BOR/161/0327	65	1	Medium Burden
77	Titiwa	Goni Muktarti	BOR/161/0299	65	1	Medium Burden



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