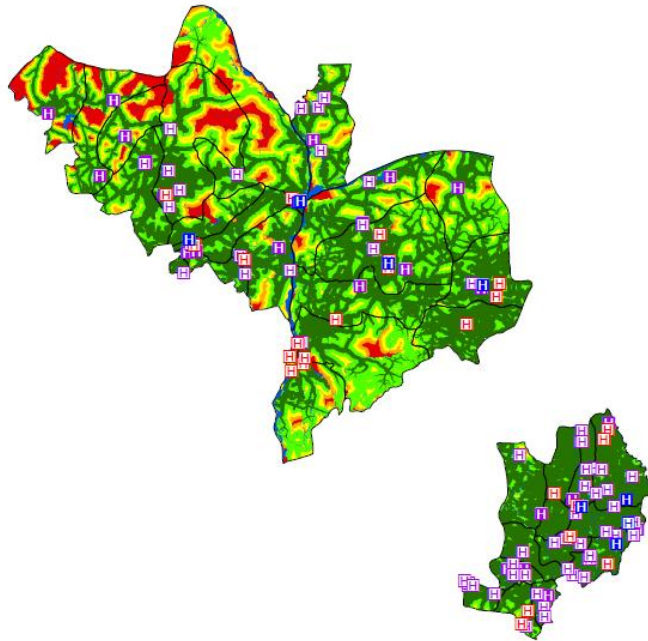




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## Nigeria - Accessibility to EmONC facilities in the State of Ebonyi and Kogi



Last Update: May 2016

## Table of Contents

Acknowledgements .....	4
1. Introduction .....	5
2. Measured indicators and assumptions .....	5
3. Tool used for the different analyses: AccessMod 5.0 .....	7
4. Data and national norms used in the different analyses .....	8
4.1 Statistical Data .....	9
4.1.1 LGA Number of pregnant women for 2010 and 2015 .....	9
4.2 Geospatial Data .....	12
4.2.1 Administrative boundaries and extent of the study area .....	13
4.2.2 Geographic location of the EmONC facilities and associated information .....	17
4.2.4 Transportation network .....	29
4.2.5 Hydrographic network .....	30
4.2.6 Digital Elevation Model .....	31
4.2.7 Spatial distribution of pregnancies .....	32
4.3 National norms .....	34
5. Results .....	36
5.1 Evolution of the accessibility coverage for BEmONC facilities .....	37
5.2 Evolution of accessibility coverage for CEmONC facilities .....	43
5.3 Travel time between each BEmONC and the nearest CEmONC facility .....	49
6. Conclusions and recommendations .....	57
References .....	61
Annex 1 – State level population - 2006 census, 2010 and 2015 projections .....	63
Annex 2 – LGA level population and number of pregnant women for the States of Ebonyi and Kogi .....	64
Annex 3 - Facilities selected by MCSP for the first phase of implementation of its program .....	66

Annex 4 - Availability of motorized vehicles and communication media in EmONC facilities .....	71
Annex 5 - Accessibility coverage for BEmONC facilities .....	75
Annex 6 - Accessibility coverage for CEmONC facilities .....	78
Annex 7 - Travel time from each BEmONC facility and the nearest CEmONC facility considering all the 120 facilities part of the 1st phase of implementation of the MCSP and taking into account the current availability of a motorized vehicle and communication media on site.....	81
Annex 8 - Travel time from each BEmONC facility and the nearest CEmONC facility considering all the 296 facilities that are either part of the 1st phase of implementation of the MCSP or have attended at least one delivery during the 12 months preceding the assessment and taking into account the current availability of a motorized vehicle and communication media on site.....	84

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## 1. Introduction

The Maternal and Child Survival Program (MCSP) [1] is a global, USAID Cooperative Agreement to introduce and support high-impact health interventions with a focus on 24 high-priority countries with the ultimate goal of ending preventable child and maternal deaths within a generation.

The Program's strategic objectives are to:

1. Support countries to increase coverage and utilization of evidence-based, high-quality reproductive, maternal, newborn and child health (RMNCH) interventions at the household, community and health facility levels
2. Close innovation gaps to improve health outcomes among high-burden and vulnerable populations through engagement with a broad range of partners
3. Foster effective policymaking, program learning and accountability for improved RMNCH outcomes across the continuum of care

In Nigeria, the MCSP works in partnership with the government of Ebonyi and Kogi State to improve the quality and coverage of maternal and newborn interventions in order to enhance health outcomes for mothers and newborns to address the three delays to women's access to life-saving care:

- 1) Delay in deciding to seek appropriate care;
- 2) Delay in reaching care in a timely manner; and
- 3) Delay in receiving quality respectful care at the facility, with a special focus on the time of labor, delivery, and the first 48 hours post-partum.

The present study has been conducted to have a greater understanding of the accessibility to Basic and Comprehensive Emergency Obstetric and Neonatal Care (BEmONC/CEmONC) facilities among Local Government Areas in the Ebonyi and Kogi States and therefore inform the MCSP interventions on the second delays listed here above.

## 2. Measured indicators and assumptions

The following set of indicators has been defined in order to inform SMGL about potential delays in reaching care in a timely manner within the Cross River State:

1. Evolution of the accessibility coverage for 1, 2, 3 and 4 hours of travel time to the nearest BEmONC facility meaning those providing the 7 signal functions;
2. Evolution of the accessibility coverage for 1, 2, 3 and 4 hours of travel time to the nearest CEmONC facility meaning those providing the 9 signal functions.
3. Travel time between each BEmONC and the closest CEmONC facility to identify which BEmONC facilities which itself further away than 1, 2, 3, 4 hours of travel time of a CEmONC facility;

These indicators have been calculated for three groups of health facilities, namely:

1. The fully functional EmONC facilities;
2. The fully functional EmONC facilities as well as the partially and non-functional EmONC facilities considered for the first phase of implementation of the MCSP in the two States;
3. The EmONC facilities considered for the first phase of implementation of the MCSP as well as all the other health facilities covered by the HFA as long as at least one delivery has been attended in the facility during the 12 months preceding the assessment.

While measuring the indicators for the first group of health facilities will provide an estimation of the current situation in terms of accessibility coverage to EmONC services, measuring these same indicators for the second group will inform the MCSP on the gain and potential gaps in accessibility coverage after implementing the first phase of the MCSP. The indicators for the last group will themselves provide the same kind of information when increasing the number of fully functional facilities in the State beyond the first phase of implementation.

The following assumptions have been considered when measuring the above mentioned indicators and this for the three groups of health facilities:

- A Basic Emergency Obstetric Care (BEmONC) facility is a health facility that is performing all the 7 Basic EmONC functions, namely [2]: administer parental antibiotics, administer uterotonic drugs (i.e. parental oxytocin), administer parental anticonvulsants for pre-eclampsia and eclampsia (i.e. magnesium sulphate), manually remove the placenta, remove retained products (e.g. manual vacuum extraction, dilation and curettage), perform assisted vaginal delivery (e.g. vacuum extraction, forceps delivery), perform basic neonatal resuscitation (e.g. with bag and mask);
- A Comprehensive Emergency Obstetric Care (CEmONC) facility performs all the signal functions of a BEmONC facility plus [2]: surgery (e.g. caesarean section), and blood transfusion;
- CEmONC facilities are also considered to be BEmONC facilities as they are performing the 7 Basic EmONC functions as well;
- Would a complication requiring blood transfusion and/or surgery occur during the delivery in the BEmONC facility, the patient should be transferred to a CEmONC facility;
- A health facility has been considered as a partially functional BEmONC facility when performing at least 1 of the 7 basic EmONC signal functions;
- A health facility has been considered as a partially functional CEmONC facility when performing at least 1 of the 7 basic EmONC signal functions and at least 1 of the 2 additional comprehensive EmONC signal functions;
- It has been considered that health facilities having performed at least 30 deliveries over a year but not performing any EmONC signal functions would potentially be upgraded to become a BEmONC but not a CEmONC facility;

- The assumption is that women would walk or be carried from their home to the nearest road. This would take place during early labour (assuming that a birthing plan has been developed and that the woman has the support of her family to initiate care seeking as labour commences). At this stage in the delivery process a 50% reduction in walking speed is assumed. Upon reaching a road, women would then travel by motor vehicle to the nearest BEmONC facility;
- The transfer between the BEmONC facility to the CEmONC facility is done using a motor vehicle (4 or 3 wheels,...)
- Analyses are performed considering transportation conditions during the dry season. While the tool used here (see Chapter 3) can account for areas and/or roads being flooded during the wet season, this particular context has not been analysed here;
- Patient movements across sub national administrative boundaries (States and LGAs) have been considered in the analysis but country borders have been considered as closed even if patient movement across these borders are expected as well.

It is important to note here that the model being used:

- Assumes that:
  - o Women have enough resources to pay for the transportation cost to the health facility;
- Does not consider:
  - o The availability of waiting homes to allow for women living in remote areas to come close to an EmOC facility before the due date and therefore increase accessibility.

### **3. Tool used for the different analyses: AccessMod 5.0**

All analyses conducted in the context of this project have been possible thanks to the use of AccessMod.

AccessMod is a toolbox developed by the World Health Organization (WHO) to provide Ministries of Health, and other health partners, with the possibility to use the power of Geographic Information System (GIS) to:

- Measure physical accessibility to health care,
- Estimate geographical coverage (a combination of availability and accessibility coverage) of an existing health facility network,
- Scale up the existing health facility network.

AccessMod uses a specific set of algorithms on a series of GIS layers containing the information influencing the time taken by a patient to reach a particular health facility depending on the mode of travel (for example, by feet, by car, etc).

While version 1 to 4 have of AccessMod have been developed as an extension to Esri's GIS technology, version 5 has itself been developed as a standalone tool based on open source solutions and this in order to allow for a larger use. In addition to this, version 5 does give access to the following new analytical capabilities:

- Referral analysis to measure travel time and distances between two sets of facilities;
- Zonal statistics to extract population coverage figures according to specific zone boundaries (administrative or health divisions for example).

Version 5 of AccessMod is composed of six modules, namely:

- Module 1 to create the combined land cover distribution grid based on the land cover, road and hydrographic network layers;
- Module 2 to measure physical accessibility (travel time) to or from a given health facility network;
- Module 3 to analyze the geographic coverage an existing health facility network through the generation of catchment areas and determination of the population covered by each of the facilities;
- Module 4 to measure travel time and distance between two set of health facilities to simulate referral;
- Module 5 to extract population coverage figures according to a specific zone boundaries;
- Module 6 to determine the locations for new health facilities, and the population they cover, to scale up an existing network or to perform different analyses when no information about the location of the existing health facility networks is available (e.g. for cost-effectiveness analysis).

Modules 1, 2, 4 and 5 have been used in the context of the present project. While version 5.0 is still in beta phase, these modules are already fully functional. Once the tests finalized this new version of AccessMod will be available for free download and non-commercial use from AccessMod's page on WHO's web site [3].

## **4. Data and national norms used in the different analyses**

Performing the different analyses considered in the context of this project requires an important volume of data that can be grouped into three main categories:

- Statistical data,
- Geospatial data,
- National norms,

The only statistical data needed to perform the analyses was the 2015 LGA number of pregnant women observed in 2015 for the States of Ebonyi and Kogi.



From a geospatial data perspective, the different analyses required having the following at disposal:

1. Administrative boundaries;
2. Geographic location of all the EmONC facilities;
3. Transportation network;
4. Hydrographic network (major rivers and water bodies);
5. Land cover;
6. Digital Elevation Model (DEM);
7. Spatial distribution of the number of pregnant women.

When it comes to national norms, the maximum travel speed expected for a motor vehicle on the different types of roads observed in the country was necessary.

The following sections describes more in details the sources of the data and norms used for the State of Ebonyi and Kogi as well as the potential preparation, adjustments or transformations that have been applied to obtain the final dataset necessary to implement the different analyses.

It is important to emphasize here the potential temporal discrepancies that exist between the different datasets that have been used. These needs to be taken into account when looking at the results of the different analyses:

- The HFA has been implemented in the States of Ebonyi and Kogi in June 2015. 33 additional health facilities that were not assess during the HFA but selected for the first phase of the MCSP have then been covered in March 2016. Changes in the EmONC status might therefore have occurred over the 9 months period between the two data collection exercises;
- The LGA number of pregnant women is based on the 2006 census data [4] that have been projected to obtain estimates for 2015 (see Section 4.1.1);
- The temporal representativeness of the geospatial dataset used, mainly the road network and land cover, are difficult to estimate. A temporal shift is therefore possible among GIS layers and between the statistical and geospatial data being used.

## **4.1 Statistical Data**

### **4.1.1 LGA Number of pregnant women for 2010 and 2015**

The latest population census conducted in Nigeria took place in 2006. At that time, the total population in the country has been estimated to be of 140,431,790 inhabitants [4].

The population figures collected at that time down to the LGA level are accessible from the web site of the National Population Commission (NPC) [4]. Table 1 provides these figures for the States of Ebonyi and Kogi.

The documents posted on this web site [4] do also provide inter-census growth rates at both the national (3.183) and State level, the one for Ebonyi being of 2.82 and the one for Kogi of 3.03.

a)	<b>LGA code</b>	<b>LGA name</b>	<b>2006 Census population [4]</b>
	NGA011001	Abakaliki	149,683
	NGA011002	Afikpo North	156,649
	NGA011003	Afikpo South	157,542
	NGA011004	Ebonyi	127,226
	NGA011005	Ezza North	146,149
	NGA011006	Ezza South	133,625
	NGA011007	Ikwo	214,969
	NGA011008	Ishielu	152,581
	NGA011009	Ivo	121,363
	NGA011010	Izzi	236,679
	NGA011011	Ohaozara	148,317
	NGA011012	Ohaukwu	195,555
	NGA011013	Onicha	236,609
<b>Total</b>			<b>2,176,947</b>

b)	<b>LGA code</b>	<b>LGA name</b>	<b>2006 Census population [4]</b>
	NGA023001	Adavi	217219
	NGA023002	Ajaokuta	122432
	NGA023003	Ankpa	266176
	NGA023004	Bassa	139687
	NGA023005	Dekina	260968
	NGA023006	Ibaji	127572
	NGA023007	Idah	79755
	NGA023008	Igalamela-Odolu	147048
	NGA023009	Ijumu	118593
	NGA023010	Kabba/Bunu	144579
	NGA023011	Kogi	115100
	NGA023012	Lokoja	196643
	NGA023013	Mopa-Muro	43760
	NGA023014	Ofu	191480
	NGA023015	Ogori/Mangongo	39807
	NGA023016	Okehi	223574
	NGA023017	Okene	325623
	NGA023018	Olamabolo	158490
	NGA023019	Omala	107968
	NGA023020	Yagba East	147641
	NGA023021	Yagba West	139928
<b>Total</b>			<b>3,314,043</b>

Table 1 - LGA level population for the States of a) Ebonyi and b) Kogi (2006 census)

In the absence of a more recent census, projected population figures from the 2015 world population prospects database published by the United Nation Department of Economic Social Affairs can be used to have an idea of the evolution of the population at the national level [5]. This database provides the following total population figures (medium variant) for Nigeria:

- 159,424,742 inhabitants for 2010
- 182,201,962 inhabitants for 2015

In comparison, applying the national level inter-census growth rate of 3.183 to the total population observed during the 2006 census provides the following figures:

- 159,183,494 for 2010
- 186,182,470 for 2015

While comparable for 2010, the difference between the two sources is important for 2015 and indicative of an expected reduction in growth rate over the recent years. In order to be consistent with the UN figures, it has finally been decided to use the 2015 world population prospects figures as reference for the present project.

The above decision required applying a similar adjustment at the sub national level. This has first been done by estimating the State level population over the entire country using the 2006 census population and inter-state growth rate figures<sup>1</sup> and adjusting the resulting values to match the total population reported in the 2015 world population prospects for 2010 and 2015. The result of these calculations is reported in Annex 1 and gives the following total population figures for<sup>2</sup>:

- Ebonyi:
  - 2,433,974 for 2010
  - 2,726,357 for 2015
- Kogi:
  - 3,735,689 for 2010
  - 4,227,348 for 2015

These figures have been used as reference to calculate the LGA total population and number of pregnant women for the States of Ebonyi and Kogi. These estimations have been obtained as follow (Annex 2):

1. The LGA level total population figures from the 2006 census have been projected for 2010 and 2015 using the inter-census growth rate of 2.82 for Ebonyi and 3.03 for Kogi.
1. The results from step 1 have been adjusted to match the total state level figures mentioned here above;
2. The LGA level number of pregnant women has been estimated considering that 5% of the total population was pregnant<sup>3</sup>.

Figure 1 does itself present the LGA distribution of the number of pregnant women for 2015 in the States of Ebonyi and Kogi.

As we can see from Annex 2 and Figure 1, the LGAs presenting the highest number of pregnant women are spread in different part of the two States, the highest values being observed for:

- The LGA of Izzi and Onicha in the State of Ebonyi;l
- The LGA of Okene, Ankpa andDekina in the State of Kogi.

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<sup>1</sup> The growth rate has been considered as homogenous over the all State and constant through time.

<sup>2</sup> Please note that applying the State level inter-census growth rates result in slightly different national figures than using the national growth rates of 3.183. The former figures have nevertheless been kept to obtain the final UN adjusted figures.

<sup>3</sup> Figure based on the 2006 census and used by different projects including the USAID country office in Nigeria and the WorldPop program [15]

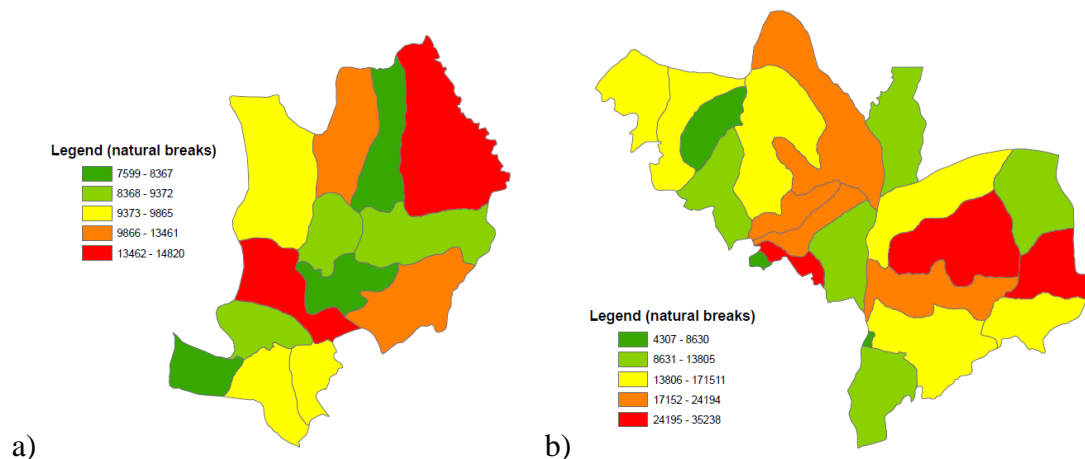


Figure 1 - 2015 LGA level distribution of the number of pregnant women in the State of a) Ebonyi and b) Kogi

## 4.2 Geospatial Data

To ensure compatibility between sources, and in order for AccessMod to produce correct results, all the geospatial data presented in this section have been homogenized in terms of projection and spatial resolution (for geospatial data in raster format).

When it comes to projection, it has been decided to use the Universal transverse Mercator (UTM) projected coordinate system as the data needs to be projected in a metric system when using AccessMod. The all of Ebonyi and most of Kogi States are falling within UTM zone 32. Zone 32 has therefore been used in the context of the present project and here are the different elements that define the corresponding UTM projected coordinated system for this zone and as they appear in Esri's GIS software:

- Projected Coordinate System: WGS\_1984\_UTM\_Zone\_32N
- Projection: Transverse\_Mercator
- False\_Easting: 500000.00000000
- False\_Northing: 0.00000000
- Central\_Meridian: 9.00000000
- Scale\_Factor: 0.99960000
- Latitude\_Of\_Origin: 0.00000000
- Linear Unit: Meter

The geographic coordinate system on which the UTM system is based is the following:

- Geographic Coordinate System: GCS\_WGS\_1984
- Datum: D\_WGS\_1984
- Prime Meridian: Greenwich
- Angular Unit: Degree

The spatial resolution of the GIS data in raster format used in this project (land cover, DEM and distribution of pregnant women) has itself been decided based on two criteria:

1. The resolution of the freely available data for the concerned layers;
2. The volume of RAM memory in the computer used to perform the different analyses.

In view of the above, the spatial resolution finally used is the one of the Digital Elevation Model (DEM) which is of 0.000833333333 degrees when the data is unprojected (geographic projection). This corresponds to 92.595703 meters for Nigeria once projected according to the above-mentioned projected coordinate system.

While 92.595703 meters is a quite high resolution, this still remains a simplification of the reality when performing the different analyses in AccessMod.

As an example, a road, which in reality would seldom be wider than 10 meters, would be presenting a width of 92.595703 meters during the different analyses.

This simplification has an impact on the travel time calculated by the model over cells crossed by a road. More specifically, the model would consider patients to be travelling by road over the all surface of these cells while she/he would normally still have to cross some lands by feet before reaching the road. This being said this distance would be shorter than 90 meters which walking at a speed of 2.5 km/hour corresponds to a little more than 2 minutes.

Another impact concerns roads located along rivers. In this case, it can happen that the combination of the road and river network layers in AccessMod result into the creation of artificial bridges and therefore potential movement across rivers that do not exist in the reality.

These cases are nevertheless very limited with a resolution of 92.595703 meters. In addition to that, AccessMod 5.0 runs a cleaning process aiming at correcting such bridges when combining these layers.

Taking all the above into account, the following sections describe more in details the source of the geospatial data used in the context of this project as well as the modifications performed on them before conducting the different analyses leading to the indicators reported in Chapter 2.

#### **4.2.1 Administrative boundaries and extent of the study area**

To be able aggregating the results of the different analyses at the State and Local Government Area (LGA) levels it was necessary to have a GIS layer containing the actual boundaries of these LGAs for the States of Ebonyi and Kogi.

The projected number of pregnant women for 2015 having been based on the 2006 population census data, it was actually necessary to identify if the LGA boundaries had change over the 2006-2015 period.

According to the information collected [6, 7, 8 and information from the field], no changes occurred in the administrative structure of Ebonyi and Kogi over the 2006-2015 period. A single list of LGAs (Table 2 and 3) and LGA boundary map (Figure 2 and 3) could therefore be used for both States in the context of the present project.

These have been obtained from the Office of the Surveyor General of the Federation (OSGOF) through Second Administrative Level Boundaries (SALB) dataset project;

Please note that:

- The codes reported in Tables 2 and 3 are those coming from the SALB project as no other official codes have been identified in the context of the present project;
- The change in code observed between Table 2 and 3 as well as the last part of the code for Bakassi and Akpabuyo LGAs are due to the transfer of Bakassi to Cameroun and the change in geometry this generated for these different administrative divisions in this area. Using different codes allows to easily identify the geometry which is being referred to in the text of the present report.

The study area has then be extended to also take into account the road network in the neighboring States as this network can, in some cases, allow to reach a health facility faster than using the roads located within the two States.

As a result, the study area covers not only both States but also a 50 km buffer around them (in grey in Figure 4). All the GIS layers have therefore been clipped according to this area.

State Name	State Code	LGA Name	LGA Code
Ebonyi	NGA011	Abakaliki	NGA011001
		Afikpo North	NGA011002
		Afikpo South	NGA011003
		Ebonyi	NGA011004
		Ezza North	NGA011005
		Ezza South	NGA011006
		Ikwo	NGA011007
		Ishielu	NGA011008
		Ivo	NGA011009
		Izzi	NGA011010
		Ohaozara	NGA011011
		Ohaukwu	NGA011012
		Onicha	NGA011013

Table 2 - List of LGAs for the State of Ebonyi

State Name	State Code	LGA Name	LGA Code
Kogi	NGA023	Adavi	NGA023001
		Ajaokuta	NGA023002
		Ankpa	NGA023003
		Bassa	NGA023004
		Dekina	NGA023005
		Ibaji	NGA023006
		Idah	NGA023007
		Igalamela-Odolu	NGA023008
		Ijumu	NGA023009
		Kabba/Bunu	NGA023010
		Kogi	NGA023011
		Lokoja	NGA023012
		Mopa-Muro	NGA023013
		Ofu	NGA023014
		Ogori/Mangongo	NGA023015
		Okehi	NGA023016
		Okene	NGA023017
		Olamabolo	NGA023018
		Omala	NGA023019
		Yagba East	NGA023020
		Yagba West	NGA023021

Table 3 - List of LGAs for the State of Kogi

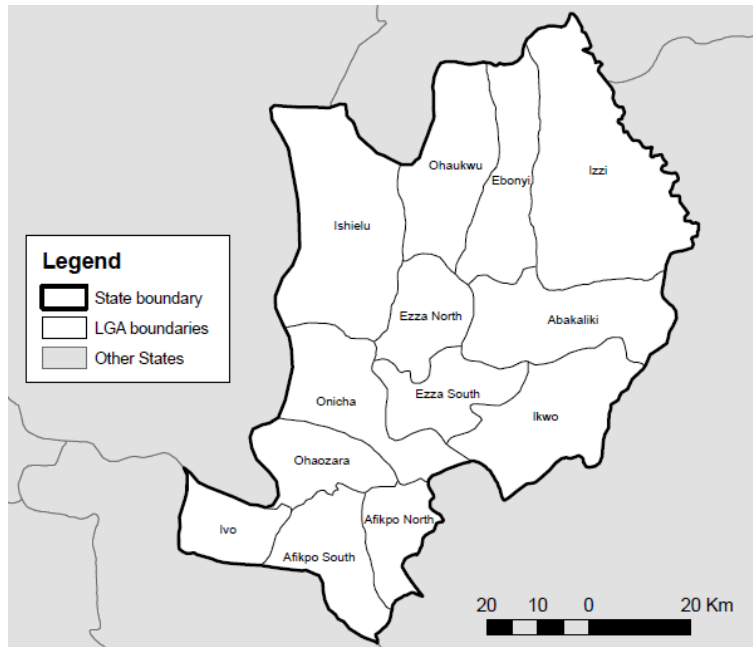


Figure 2 - State and LGA boundaries for the State of Ebonyi

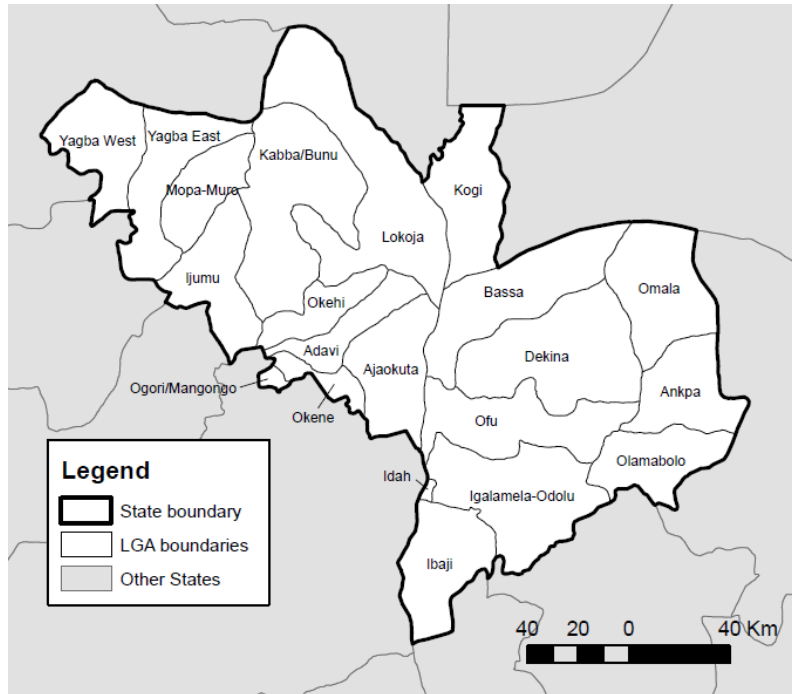


Figure 3 - State and LGA boundaries for the State of Kogi

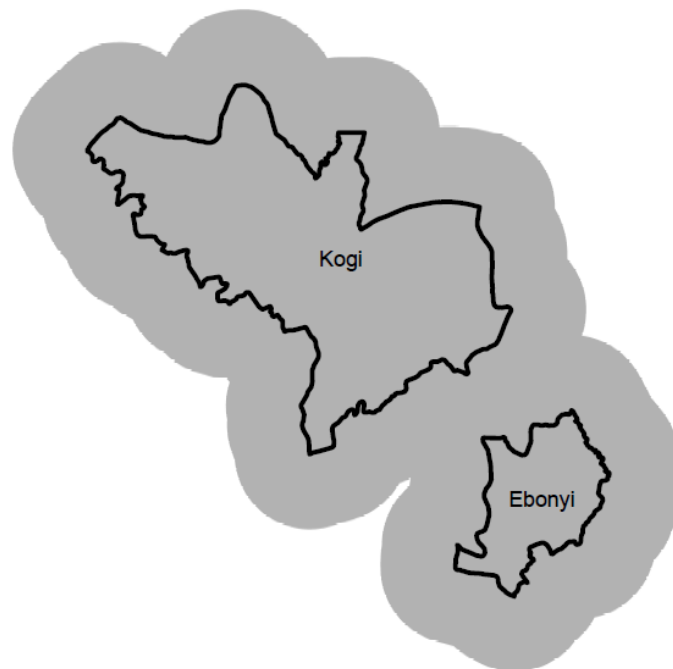


Figure 4 - Extent of the study area considered for the analyses over the States of Ebonyi and Kogi (in grey)



#### 4.2.2 Geographic location of the EmONC facilities and associated information

The health care delivery system in Nigeria is organized according to three (3) levels (from the lowest to the highest one) [9]:

- The primary level composed of health facilities (Health centers, clinics, dispensaries, and health posts) typically providing general preventive, curative, promotive, and pre-referral care;
- The Secondary level composed of general hospitals providing general medical and laboratory services as well as specialized health services such as surgery, pediatrics, obstetrics and gynecology
- The Tertiary level made of specialist and teaching hospitals as well as federal medical centers that have special expertise and fullfledged technological capacity that enable them to serve as referral centers for patients from the primary and secondary levels and act as resource centers for knowledge generation and diffusion. Each state has at least one tertiary facility.

While the public sector (government) is present at all the three levels, privates and faith based organization facilities are only operating at the primary and secondary level.

USAID, through Jhpiego, implemented the Health Facility Assessment (HFA) questionnaire in the States of Ebonyi and Kogi with the objectives to identify the facilities providing Emergency Obstetric and Newborn Care (EmONC).

The assessment got implemented in these States between May and June 2015 and covered the type facilities listed in Table 4.

	<b>Public sector</b>	<b>Private sector</b>	<b>Faith based organizations</b>
Tertiary level	Full coverage	No such facilities	No such facilities
Secondary level	Full coverage	Random sample	Full coverage
Primary level	Random sample	Random sample	Full coverage

Table 4 - Facility coverage during the HFA over the States of Ebonyi and Kogi

Despite the random sampling operated at the primary and secondary levels, Jhpiego is confident to have covered all the fully and partially functional EmONC facilities located in both States.

This being said, and based on the results of the assessment, Jhpiego finally decided to add 33 additional facilities, not covered by the HFA, into their MCSP implementation plan.

The information needed to conduct the different analysis over these 29 additional health facilities (health facility level and type, type of operating agency, GPS coordinates, EmONC Status over the previous 3 months as well as the availability of a motor vehicle and/or communication media) have themselves been collected in March-April 2016.

Because of the above, the list of health facilities considered in the context of the present study covers 351 health facilities (322 from the 2015 HFA and 29 from the additional data collection exercise) reported in Annex 3.

When looking at Annex 3 it is important to note that:

- The list is separated between both States and then sorted according to the selection to be part of the 1st phase of implementation of the MCSP, the recording of at least one attended delivery over the 12 months preceding the survey, the EmONC status, the number of signal functions being performed and finally the alphabetical order of the LGA and health facility name;
- A complete and up-to-date health facility registry does not exist in the Federal Ministry of Health of Nigeria. As such:
  - o The Unique ID does not correspond to an official codes but a code generated for the purpose of the HFA. Please just note that the code for Nguzu Health centre has been modified as duplicating the code attributed to another facility (Christian Mission Hospital);
  - o We could not verify if the health facility name reported in this annex are spelt correctly.
- The LGA codes and names corresponds to the one reported in Tables 2 and 3;
- Atenegoma Primary Health Centre has been considered as not functional even if a case of blood transfusion has been reported over the 3 months preceding the survey and this to comply to the definitions set in this study (see Chapter 2).

Out of 351 facilities, MCSP has decided to focus its support on 120 facilities in the first phase of implementation of its support program. These facilities have been selected based on the provision of Antenatal care (ANC) and delivery services.

These 120 facilities can be identified from Annex 3 and their distribution by level and EmONC status for the 3 months preceding the assessment as well as by sector and EmONC status is respectively reported in Table 5 and 6. Table 7 does itself provide the number and density of these facilities at both the State and LGA level.

It is important to note here that several partially functional EmONC facilities have not been selected to be part of the first phase of implementation of the MCSP support program and that four of the facilities part of the first phase of implementation (Ntezi Aba Health Centre, Iziogo Primary Health Centre, Ogane-Uge Primary Health Centre and Wokers Village Clinic) did not record any attended deliveries during the 12 months preceding the assessment

Nigeria - Accessibility to EmONC facilities for the States of Ebonyi and Kogi

a)	Fully functional BEmONC	Fully functional CEmONC	Partially functional BEmONC	Partially functional CEmONC	Not functional	Total
Tertiary		1				1
Secondary		2	5	6	2	15
Primary	1		35	1	6	43
Total	1	3	40	7	8	59

b)	Fully functional BEmONC	Fully functional CEmONC	Partially functional BEmONC	Partially functional CEmONC	Not functional	Total
Tertiary		2			1	3
Secondary		3	4	16	5	28
Primary			20		10	30
Total	0	5	24	16	16	61
Grand Total	1	8	64	23	24	120

Table 5 - Distribution of the 120 health facilities selected for the implementation of the MCSP program in the States of a) Ebonyi and b) Kogi by level and EmONC status for the 3 months preceding the assessment

a)	Fully functional BEmONC	Fully functional CEmONC	Partially functional BEmONC	Partially functional CEmONC	Not functional	Total
Government	1	1	38	3	8	51
Private for profit			2			2
Religious mission- Faith based organisation		2		4		6
Total	1	3	40	7	8	59

b)	Fully functional BEmONC	Fully functional CEmONC	Partially functional BEmONC	Partially functional CEmONC	Not functional	Total
Government		4	22	10	16	52
Private for profit			1	1		2
Religious mission- Faith based organisation		1	1	5		7
Total	0	5	24	16	16	61
Grand Total	1	8	64	23	24	120

Table 6 - Distribution of the 120 health facilities selected for the implementation of the MCSP in the States of a) Ebonyi and b) Kogi by sector and EmONC status for the 3 months preceding the assessment

At the State level, the 2015 density of EmONC facilities is as follow when only considering fully functional EmONC facilities:

- For the State of Ebonyi: 0.73 per 500,000 population for fully functional EMONC facilities  $((4/2,726,357)*500,000)$  and of 0.55 for fully functional CEmONC facilities  $((3/2,726,357)*500,000)$ ;
- For the State of Kogi: 0.59 per 500,000 population for fully functional EMONC facilities and fully functional CEmONC facilities  $((5/4,227,348)*500,000)$

The values for both States are therefore largely below the benchmark fixed by WHO, UNFPA, UNICEF and AMDD in the context of the handbook released in 2009 (at least 5 EmONC facilities per 500'000 population with at least one of them being a CEmONC facility) [2].

Once all the partially functional and not functional EmONC facilities listed in Annex 3 have been upgraded to fully functional EmONC facilities through the implementation of the MCSP, these densities will respectively reach (Not functional facilities have been considered as being upgraded to BEmONC facilities):

- For the State of Ebonyi: 10.82 EmONC facilities and 1.83 CEmONC facilities per 500,000 population, being therefore both above the UN benchmarks;
- For the State of Kogi: 7.21 EmONC facilities and 2.48 CEmONC facilities per 500,000 population, being therefore both above the UN benchmarks;

Important disparities would nevertheless remain between LGAs (Table 7) but the analyses performed here will confirm if this is a problem from an accessibility coverage perspective.

When it comes to the third group of facilities considered in the analysis, 231 health facilities were covered during the HFA but not included in the first phase of implementation of the MCSP. Among those, 55 did not record any attended deliveries during the 12 months preceding the assessment and were therefore not considered in the present study.

As a result of the above a total of 296 health facilities have been used in the different analysis included in the present report. These facilities are distributed as per Table 8 in terms of level, sector and EmONC Status.

Nigeria - Accessibility to EmONC facilities for the States of Ebonyi and Kogi

a)

LGA Code	LGA Name	Number of EMONC facilities	EmONC density	
			per 1000'000 population	Per 1'000 pregnant women
NGA011001	Abakaliki	5	2.7	0.5
NGA011002	Afikpo North	4	2.0	0.4
NGA011003	Afikpo South	3	1.5	0.3
NGA011004	Ebonyi	8	5.0	1.0
NGA011005	Ezza North	1	0.5	0.1
NGA011006	Ezza South	5	3.0	0.6
NGA011007	Ikwo	10	3.7	0.7
NGA011008	Ishielu	1	0.5	0.1
NGA011009	Ivo	5	3.3	0.7
NGA011010	Izzi	10	3.4	0.7
NGA011011	Ohaozara	5	2.7	0.5
NGA011012	Ohaukwu	1	0.4	0.1
NGA011013	Onicha	1	0.3	0.1
State level		59	2.2	0.4

b)

LGA Code	LGA Name	Number of EMONC facilities	EmONC density	
			per 1000'000 population	Per 1'000 pregnant women
NGA023001	Adavi	3	1.1	0.2
NGA023002	Ajaokuta	6	3.8	0.8
NGA023003	Ankpa	5	1.5	0.3
NGA023004	Bassa	2	1.1	0.2
NGA023005	Dekina	9	2.7	0.5
NGA023006	Ibaji	2	1.2	0.2
NGA023007	Idah	5	4.9	1.0
NGA023008	Igalamela-Odolu	0	0.0	0.0
NGA023009	Ijumu	2	1.3	0.3
NGA023010	Kabba/Bunu	6	3.3	0.7
NGA023011	Kogi	5	3.4	0.7
NGA023012	Lokoja	4	1.6	0.3
NGA023013	Mopa-Muro	1	1.8	0.4
NGA023014	Ofu	2	0.8	0.2
NGA023015	Ogori/Mangongo	1	2.0	0.4
NGA023016	Okehi	1	0.4	0.1
NGA023017	Okene	2	0.5	0.1
NGA023018	Olamabolo	1	0.5	0.1
NGA023019	Omala	1	0.7	0.1
NGA023020	Yagba East	2	1.1	0.2
NGA023021	Yagba West	1	0.6	0.1
State level		61	1.4	0.3

Table 7 - Distribution of the 120 health facilities selected for the implementation of the MCSP in the States of a) Ebonyi and b) Kogi by LGA and corresponding facility density for 2015

a)				
	Primary	Secondary	Tertiary	Total
<b>Government</b>	106	12	1	119
Fully functional BEmONC	1			1
Fully functional CEmONC			1	1
Partially functional BEmONC	83	8		91
Partially functional CEmONC	2	2		4
Not functional	20	2		22
<b>Private for profit</b>	3	5		8
Partially functional BEmONC	3	1		4
Partially functional CEmONC		3		3
Not functional		1		1
<b>Religious mission- Faith based organisation</b>		6		6
Fully functional CEmONC		2		2
Partially functional CEmONC		4		4
Total Ebonyi	109	23	1	133
b)				
	Primary	Secondary	Tertiary	Total
<b>Government</b>	110	34	3	147
Fully functional CEmONC		2	2	4
Partially functional BEmONC	60	8		68
Partially functional CEmONC	2	15		17
Not functional	48	9	1	58
<b>Private for profit</b>	5	3		8
Partially functional BEmONC	4	1		5
Partially functional CEmONC		2		2
Not functional	1			1
<b>Religious mission- Faith based organisation</b>		8		8
Fully functional CEmONC		1		1
Partially functional BEmONC		2		2
Partially functional CEmONC		5		5
Total Kogi	115	45	3	163
Grand Total	224	68	4	296

Table 8 - Distribution of the 296 health facilities used in the present study for the State of  
a) Ebonyi and b) Kogi by level, sector and Status

The geographic location of all the 296 facilities considered here has been collected using a GPS device during the implementation of the HFA in 2015 and the additional data collection exercise in 2016. While no proper data collection protocol has been used the geographic coordinates obtained through both exercise were presenting an accuracy high enough for the purpose of the study as identified through the checks performed in ArcGIS.

The final geographic coordinates, expressed in decimal degrees for all the 351 health facilities considered in this study, including the 120 included in the first phase of implementation of the MCSP, are reported in Annex 3. The corresponding Easting/Northing (UTM system), also reported in this annex, have themselves been obtained by projecting the original coordinates in ArcGIS.

Figure 5a presents the geographic location of the fully functional BEmONC and CEmONC facilities while Figure 5b presents the location of the partially functional ones together with those that are not functional among the 120 facilities considered for the first phase of implementation of the MCSP in both Ebonyi and Kogi and Figure 5c the location of the remaining 231 facilities covered by the HFA but not included in the first phase of implementation of that same program.

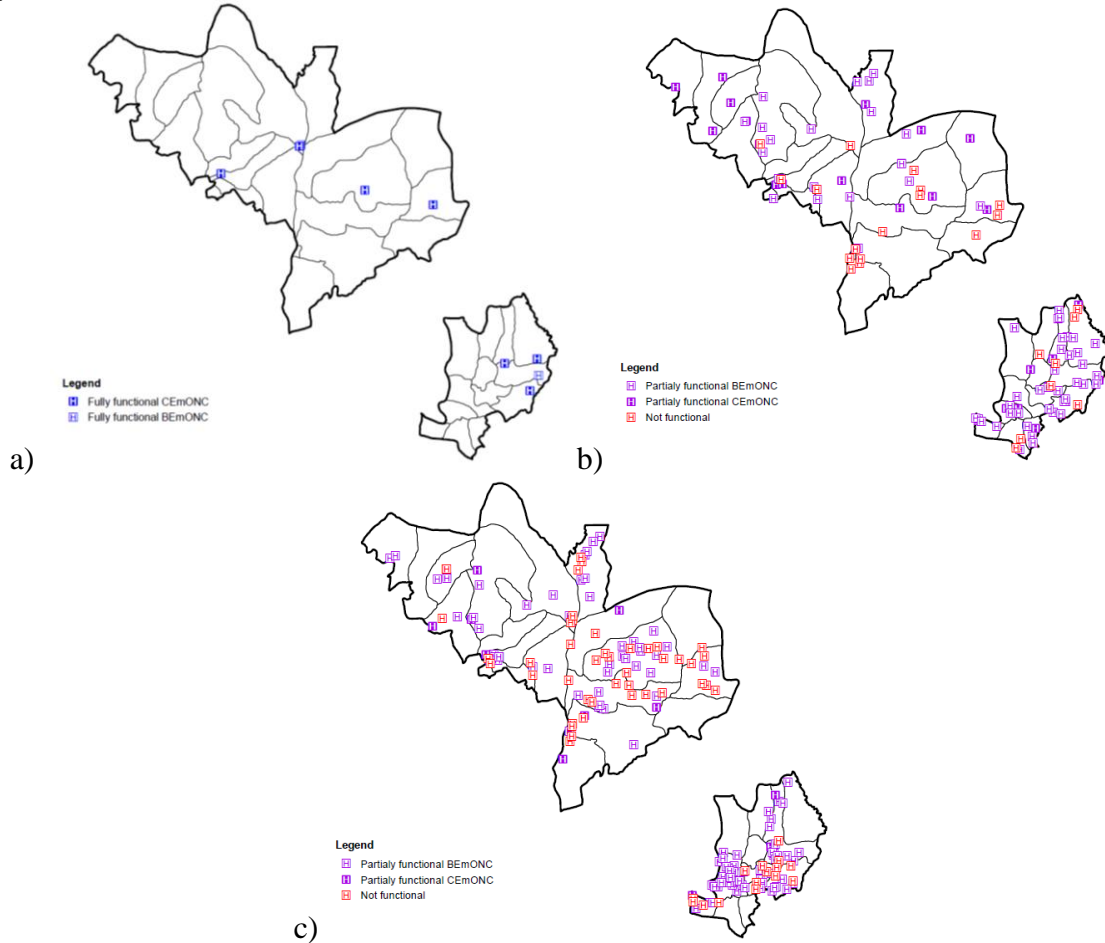


Figure 5 – Location of a) the fully functional and b) partially and not functional EmONC facilities selected for the 1st phase of implementation of the MCSP as well as c) the remaining 176 facilities not part of the program but having recorded least one attended delivery over the 12 months preceding the HFA

It is also important to mention here that some of the final coordinates are falling outside of the boundary of the LGA in which the facility is located but this has been checked and not due to an error in the coordinates itself but to a difference of scale, and therefore accuracy, between the boundary layer being used (Figure 3) and the coordinates collected with the GPS devices.

Referral between a BEmONC and CEmONC facility is conditional to the availability of a functioning motorized vehicle for the transfer of the patient. If such vehicle is not

available, the BEmONC facility has to contact another facility to order such vehicle which would of course significantly increase the referral time.

In order to consider these parameters in the analyses, the following variables have also been extracted from the HFA and collected during the additional exercise and this for all the 296 facilities mentioned here above (Annex 4):

- Presence of a motorized vehicle:
  - 4 wheels motor vehicle (variable: IFI100MV4W)
  - Motorized tricycle (IFI106MT3A)
- Communication media:
  - Landline telephone in the maternity area (IFI85TLT)
  - Landline elsewhere in the facility (IFI88TLE)
  - Cell phone owned by facility (IFI91TCPF)
  - Cell phone owned by individual (IFI94CPI)
  - Cell phone signal available (IFICELPHSIG)
  - Two-way radio (IFI97TWR)

When looking at Annex 4 please note that:

- The list is separated between both States and then sorted according to the selection to be part of the 1st phase of implementation of the MCSP, the recording of at least one attended delivery over the 12 months preceding the survey and then the availability of motorized vehicle before the availability of communication media (landline and cell phone before two ways radio);
- The availability of a motorcycle (2 wheels) has not been taken into account as not considered as being an appropriate transportation media for a women needing referral due to complications during delivery;
- The availability of boats has not been taken into account here as not available in any of the 120 facilities considered in the analyses;
- Cell phones have only been considered as functioning if the cell phone signal was present as well;
- Two-way radios have been considered separately from landline and cell phones in the analysis and this to account for the fact that these represent two distinct set of devices that do not communicate with each other;
- The awareness of the phone number for the nearest CEmONC facility, or the facility that could provide a motor vehicle for referral, has not been asked during the HFA. It has therefore been considered that this information was known by the concerned facilities;
- the HFA asked if the communication media (landline, cell phone or two-way radio) was used for referral but this information has not been taken into account here considering that, if there is an emergency, and that a communication media is available and functional in the facility, the media would be used for the referral to take place;
- The availability of the cell phone signal remains unfortunately unknown for several health facilities. The corresponding cells are highlighted in grey in Annex 4 and these cases have been treated as if the signal was not available in the analysis.



Table 9 presents the availability of a functioning motorized vehicle on site by State EmONC status and this for both the facilities part of the 1st phase of implementation of the MCSP (120 facilities) and those not yet included (176). Table 10 does itself provide the availability of communication media for the facilities that do not have access to such vehicle.

a)		Motorized vehicle available on site and functioning		Total
		Yes	No	
	Part of the 1st phase of the MCSP program	20	39	59
	Fully functional BEmONC	1		1
	Fully functional CEmONC	2	1	3
	Partially functional BEmONC	8	32	40
	Partially functional CEmONC	6	1	7
	Not functional	3	5	8
	Not part of the 1st phase	6	68	74
	Partially functional BEmONC	4	51	55
	Partially functional CEmONC	1	3	4
	Not functional	1	14	15
	Total Ebonyi	26	107	133
b)		Motorized vehicle available on site and functioning		Total
		Yes	No	
	Part of the 1st phase of the MCSP program	12	49	61
	Fully functional CEmONC		5	5
	Partially functional BEmONC	3	21	24
	Partially functional CEmONC	8	8	16
	Not functional	1	15	16
	Not part of the 1st phase	12	90	102
	Partially functional BEmONC	3	48	51
	Partially functional CEmONC	2	6	8
	Not functional	7	36	43
	Total Kogi	24	139	163
	Grand Total	50	246	296

Table 9 - Availability of a functioning motor vehicle on site by EmONC status for the States of a) Ebonyi and b) Kogi

a)		Function phone (landline/cell)			Functioning two- way radio		Total
		Yes	No	Unknown	Yes	No	
Part of the 1st phase of the MCSP program		20	18	1	0	39	39
Fully functional CEmONC			1			1	1
Partially functional BEmONC		17	14	1		32	32
Partially functional CEmONC		1				1	1
Not functional		2	3			5	5
Not part of the 1st phase		17	48	3	0	68	68
Partially functional BEmONC		11	37	3		51	51
Partially functional CEmONC		2	1			3	3
Not functional		4	10			14	14
Total Ebonyi		37	66	4	0	107	107
b)		Function phone			Functioning two-		Total
		Yes	No	Unknown	Yes	No	
Part of the 1st phase of the MCSP program		20	28	1	2	47	49
Fully functional CEmONC		2	3			5	5
Partially functional BEmONC		10	11			21	21
Partially functional CEmONC		4	4		1	7	8
Not functional		4	10	1	1	14	15
Not part of the 1st phase		15	71	4	1	89	90
Partially functional BEmONC		8	40		1	47	48
Partially functional CEmONC		3	3			6	6
Not functional		4	28	4		36	36
Total Kogi		35	99	5	3	136	139
Grand Total		72	165	9	3	243	246

Table 10 - Availability of a functioning communication media by EmONC status for the facilities not having a functioning motor vehicle on site for the States of a) Ebonyi and b) Kogi

The following can be observed from Table 9 and 10:

- For Ebonyi State:
  - Facilities part of the 1st phase of implementation
    - 3 of the 4 fully functional EmONC facilities have access to a functioning motor vehicle on site;
    - Only 30% of the partially functional and 38% of the non-functional EmONC facilities have access to such vehicle;
    - 51.2% of the facilities that do not have a functioning motor vehicle on site do nevertheless have access to a functioning phone (landline or cell). None of these facilities have access to a function two-way radio.
  - Facilities not part of the 1st phase of implementation
    - Only 8% of the partially functional and 7% of the non-functional EmONC facilities have access to such vehicle;
    - 25% of the facilities that do not have a functioning motor vehicle on site do nevertheless have access to a functioning phone (landline or cell). None of these facilities have access to a function two-way radio

- For Kogi State:
  - Facilities part of the 1st phase of implementation
    - None of the fully functional EmONC facilities have access to a functioning motor vehicle on site;
    - Only 28% of the partially functional and 6% of the non-functional EmONC facilities have access to such vehicle
    - 40% of the facilities that do not have a functioning motor vehicle on site do nevertheless have access to a functioning phone (landline or cell). One additional facilities has access to a function two-way radio
  - Facilities not part of the 1st phase of implementation
    - Only 8% of the partially functional and 16% of the non-functional EmONC facilities have access to such vehicle
    - 16% of the facilities that do not have a functioning motor vehicle on site do nevertheless have access to a functioning phone (landline or cell). One additional facilities has access to a function two-way radio

In view of the above, it appears that implementing the MCSP might also require investing in motor vehicles and/or communication media to facilitate referral.

In addition to that, patients are often crossing administrative and sometime even country boundaries to reach the care provider closest to their home. Conducting a physical accessibility analysis over the States of Ebonyi and Kogi should therefore normally have taken into account the health services located in the neighboring States, namely (by alphabetical order): Abia, Anambra, Benue, Cross River, Delta, Edo, Ekiti, Enugu, Federal Capital Territory, Kwara, Nasarawa, Niger and Ondo.

Unfortunately, the Health Facility Assessment (HFA) conducted by USAID only covered 3 States in Nigeria for the moment: Cross River, Ebonyi and Kogi.

Cross River is one of the States neighboring Ebonyi and the initial plan was therefore to also include the HFA data for that State in the present analyses. Unfortunately, while the same questionnaire has been used, the HFA in Cross River has been implemented following a different approach when it comes to the facilities that have been covered.

In view of the above, and in order to avoid including any biases by only including one additional State in the analysis and not the others, the HFA data for the State of Cross River has finally not been included in the present analyses.

#### 4.2.3 Land cover

This project used the freely accessible 30-meter resolution global land cover distribution grid released by the National Geomatics Center of China [10].

In order to match the projection and spatial resolution set for the project (see Section 4.2) the original grid has been reprojected and resampled before simplifying the original classification as per Table 11.

Figure 6 does itself present the land cover distribution grid resulting from this process.

Original class code	original class label	Simplified class code	Simplified class label
10	Cultivated land	4	Medium dense vegetation
20	Forest	5	Dense vegetation
30	Grassland	3	Low dense vegetation
40	Shrubland	3	Low dense vegetation
50	Wetland	6	Water
60	Water bodies	6	Water
80	Artificial surfaces	2	Built areas
90	Bareland	1	Bareland

Table 11 - Simplified classification for the global land cover distribution grid

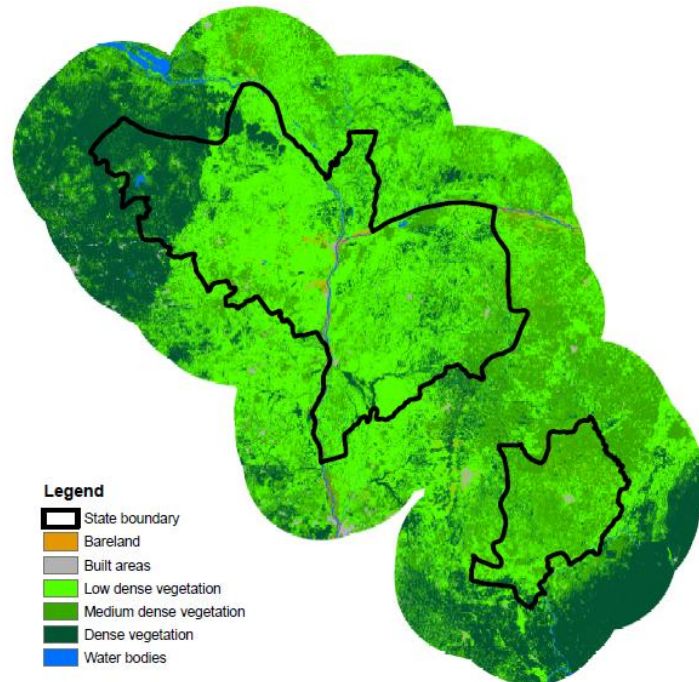


Figure 6 – Land cover distribution layer used in the different analyses

#### 4.2.4 Transportation network

The starting point for creating the transportation network layer over the study area is the one developed by the OpenStreetMap (OSM) community of volunteers and extracted from the bbbike web site [11] on February 12th, 2016.

Despite the great work done by the volunteers and other institutions such as the Bill and Melinda Gates foundation to reach completeness over the all country, the OSM datasets still present three major limitations towards its use without adjustments in the context of the present project, namely:

1. It is not complete in some part of both States;
2. The road classification used by the OSM community does not match the national classification used in Nigeria;
3. An important number of the segments remain unclassified and, when classified, the classification does not always match the type of road observed on satellite images or on different sources.

The following process has therefore been applied in order to address these issues as much as possible:

1. The segments presenting the following classes in the OSM layer have been removed as they are not considered as being part of the transportation network in the context of the present project:
  - Construction
  - Footway
  - Path
  - Services
2. The segments presenting the following categories were then reclassified:
  - Motorway\_link into Motorway
  - trunk and trunk\_link, primary and primary\_link into Federal road
  - Road, secondary and secondary\_link into State road
  - Tertiary and tertiary\_link into rural road
  - Unclassified into track
  - Living\_street and residential into Residential road
3. Another road network layer in GIS format coming from the US Government and google map have been used to fill as much as possible the gaps observed in the OSM data set. When doing so:
  - The location of the health facilities (Figure 5) and the hydrographic network layer (see Section 4.2.5) have been added to the map not only to ensure consistency but also perform an additional check on these two layers as well;
  - the priority has been put on filling the gaps over the surface of the Cross River State before completing the roads located in the neighbouring States and within the buffer presented in Figure 4;
4. The network resulting from step 3 has been checked and cleaned using the following map and google map as references for the attribution of the road types:  
<http://dlca.logcluster.org/display/public/DLCA/2.3+Nigeria+Road+Network;jsess>

[ionid=9E83B2BD00E4B07B01D81BC95D733E8F](#) [Accessed April 19, 2016].

The segments remaining uncertain after this step have then been classified as tracks;

5. Crossing points on rivers have been identified and classified as such to account for the time it would take to use a barge to cross them. In some limited areas, travel by boat has been added to the layer to account for health facilities in remote villages not accessible by road.

At the end of this process, the resulting map (Figure 7) contains the following road categories: Motorways, Federal roads, State roads, rural roads, tracks residential roads, crossing points and boat routes.

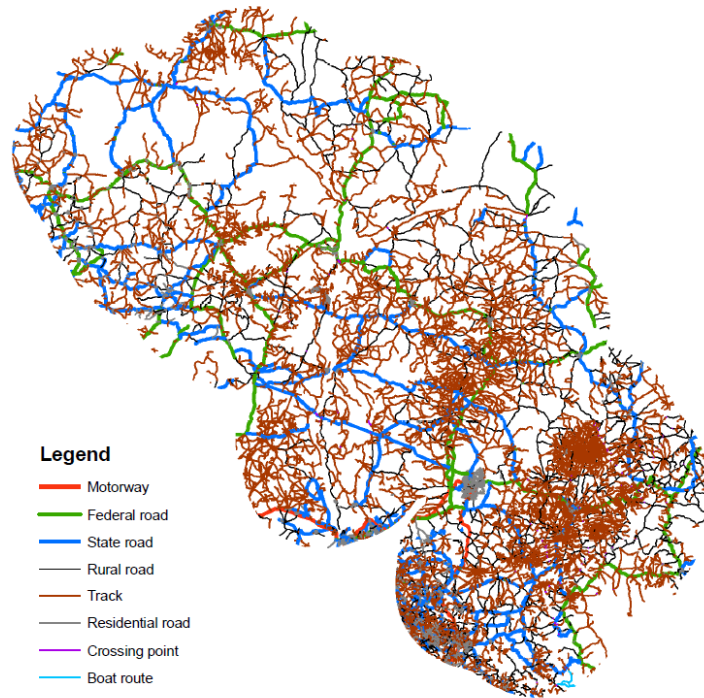


Figure 7 - Transportation network layer used in the different analyses

#### 4.2.5 Hydrographic network

The hydrographic network layers (rivers and water bodies) used in the present study have also been developed based on the OpenStreetMap (OSM) dataset downloaded from the bbbike web site [11] on February 12th, 2016.

Like for the road network layer (see Section 4.2.4), additional editing work needed to nevertheless be performed in order to fill the gaps.

This work has been performed by USAID's GeoCenter using Landsat imagery, ArcGIS Online base map imagery as well as the Digital Chart of the World dataset for reference.

The map resulting from this process is presented in Figure 8.

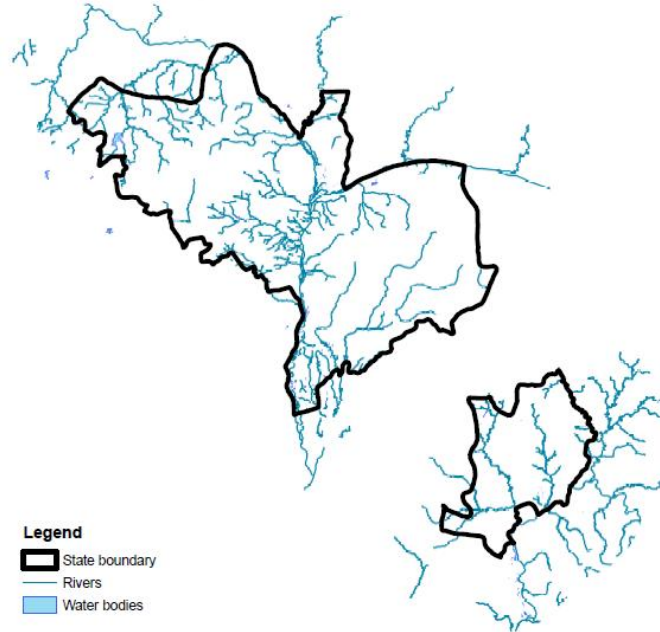


Figure 8 – Hydrographic network layers (rivers and water bodies) used in the different analyses

#### 4.2.6 Digital Elevation Model

The freely accessible 90 meters resolution Shuttle Radar Topography Mission (SRTM) dataset produced in 2000 by the NASA in collaboration with other institutions [12] has been used without performing any changes on the original dataset (Figure 9).

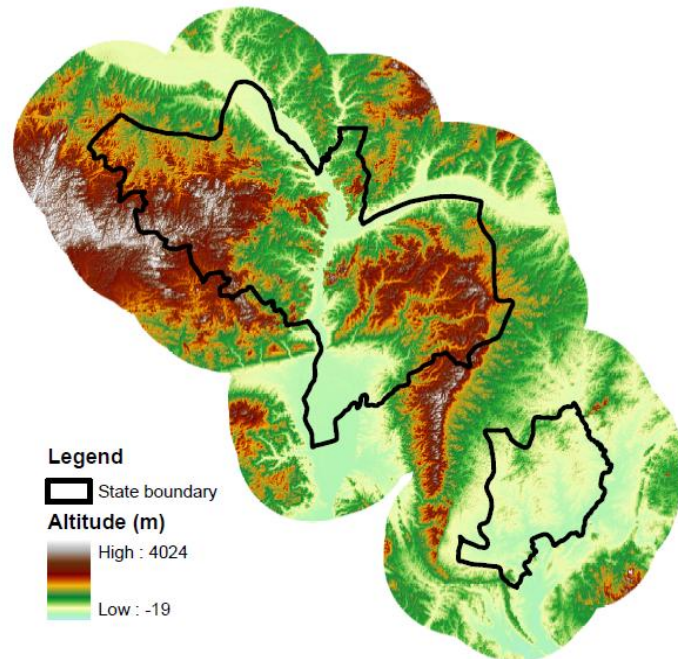


Figure 9 – Digital Elevation Model (DEM) used in the different analyses

#### 4.2.7 Spatial distribution of pregnancies

The most recent, detailed, and freely accessible population as well as pregnancies distribution database in GIS format is the one released in the context of the WorldPop project [13].

Presenting a spatial resolution of 100 meters this dataset is based on the most recent census data being desegregated further using probability distribution algorithms and projected for different years, all of this taking several parameters into account including rural/urban specific growth rates.

In the case of Nigeria, this data set is available for 2010 and 2014 when it comes to the total population and for 2010 when it comes to pregnancies. The 2010 version of the dataset has therefore been used in the context of the present project.

This dataset first needed to be adjusted to match the following before being used for the States of Ebonyi and Kogi:

- The projection system and spatial resolution presented in Section 4.2;
- The 2015 LGA number of pregnant women reported in Annex 2;

This has been done through the application of the following steps:

1. The original 2010 WorldPop grid has been re-projected according to the coordinate system set for the project (see beginning of Section 4.2);



2. The resulting re-projected grid presenting a resolution of 92.77776 meters it has been resampled and snapped to the Digital Elevation Model (DEM) (see section 4.2) in order to present the resolution set for the project, 92.595703 meters;
3. The travel time distribution grid resulting from the application of the second module of AccessMod has been reclassified to obtain a mask in which any cell located outside of the country, corresponding to water areas or being inaccessible by feet or motor vehicle have been attributed a value of “0” while all the other cells containing a travel time were attributed a value of “1”;
4. The mask generated under step 3 has been applied to the re-projected and resampled pregnancy distribution grid obtained after step 2 using the Spatial Analyst > Math > Times tool in ArcGIS;
5. The LGA boundaries layer in raster format has been used as the input layer for the Spatial Analyst>Zonal>Zonal Statistics tool in ArcGIS and this to extract the total number of pregnant women per administrative divisions from the grid generated in step 4. The result has been saved in a dbf file;
6. The dbf resulting from step 5 has been imported in Excel and a LGA level specific correction factor to be applied on the spatial distribution of pregnant women obtained under step 4 has been calculated;
7. The resulting correction factor table has been linked (join) to the attribute table of the LGA boundaries layer using the common code. The shape file has then been converted into a raster grid presenting the same resolution than the population distribution grid using the Conversion Tools>To Raster>Polygon to Raster tool in ArcGIS (The Environment settings>General Settings has been used to set the extent of the resulting grid needs to match the one of the travel time distribution grid and snapped to that same grid;
8. The grid obtained under step 7 has been multiplied with the spatial distribution of pregnant women generated under step 4 to obtain the final layer which is consistent with the total number of pregnant women estimated for 2015 at the LGA level (Annex 2).

Figure 10 presents the gird resulting from the above-mentioned process.

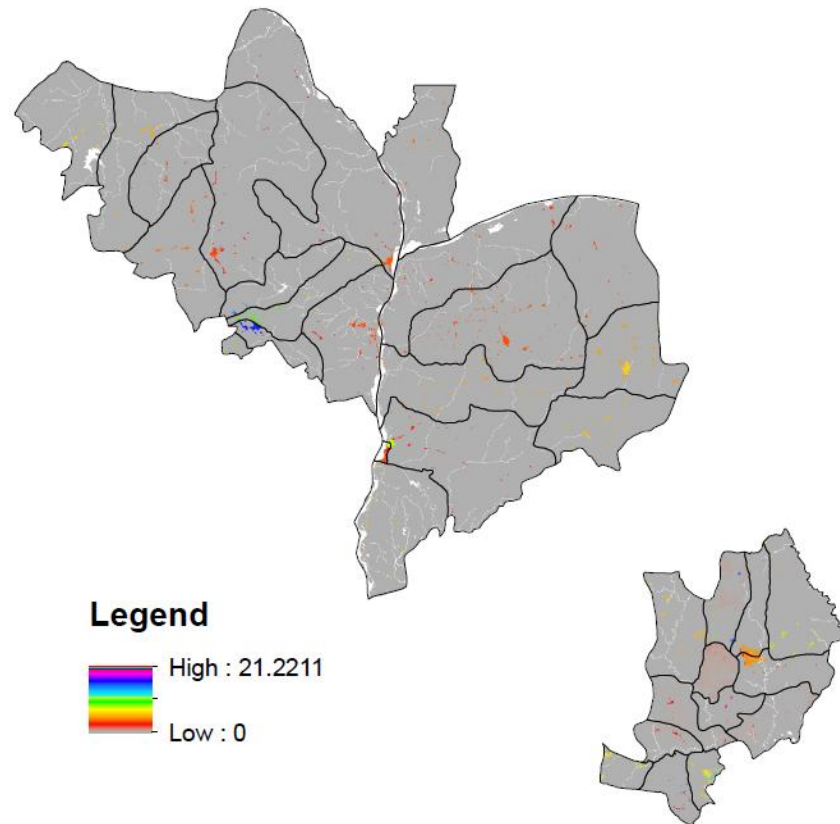


Figure 10 – Spatial distribution of pregnant women for 2015 as used in the different analyses

### 4.3 National norms

It has unfortunately not been possible to find official national norms regarding the maximum speed expected by motor vehicles on the different road types observed in the country (Figure 7).

Starting from the 2013 global status report on road safety [14] which indicates a maximum enforced speed of 50 km/h on urban roads in Nigeria, inputs received from people living in the country have been used to come up with a maximum expected speed for each type of road observed in the country (Table 12). It is nevertheless important to mention here that motorized tricycles, vehicles some time on site of EmONC facilities (Annex 4), might nevertheless not be able reaching the highest speeds reported in Table 12.

In addition to this, the maximum traveling speed for a pregnant woman walking in her last month of pregnancy or being carried (estimated as 50% of the speed of a woman not being pregnant, i.e. 2.5 km/h in an open area) has been attributed for each land cover class considered here (Figure 6). These speeds are also reported in Table 12.

Boats have also been considered as transportation media on some rivers. It has unfortunately not been possible to find a reference speed for the type of boats used in Nigeria. A speed of 30 km/h has therefore been considered based on a previous similar studies conducted in other countries.

Finally, a speed of 20 km/h has been attributed to the crossing points observed over some rivers and this to account for the time it would take to cross over by boat and get another vehicle on the other side or to use a barge for the vehicle to cross the river itself.

Land cover/road type	Maximum speed (km/h)	Transportation media
Bareland	2.5	Feet
Built areas	2.5	Feet
Low dense vegetation	2	Feet
Medium dense vegetation	1.5	Feet
Dense vegetation	1	Motor vehicle
Motorway	100	Motor vehicle
Federal road	90	Motor vehicle
State road	75	Motor vehicle
Rural road	50	Motor vehicle
Residential road	50	Motor vehicle
Track	35	Motor vehicle
Crossing point	20	Boat
Boat route	30	Boat

Table 12 – Maximum travel speed on the different land cover, road types and boat paths considered in the different analyses

## 5. Results

This Chapter presents the results obtained when measuring the indicators reported in Chapter 2.

These analyzes have been performed using the following GIS layer and associated data described in the previous Chapter:

1. Location of the health facilities (Figure 5);
2. Transportation network (Figure 7);
3. Hydrographic network (Figure 8);
4. Digital Elevation Model (DEM) (Figure 9);
5. Land cover (Figure 6);
6. LGA boundaries as observed in 2015 (Figures 2 and 3);
7. Distribution of pregnant women (Figure 10);
8. The following travelling scenarios:
  - a. From home until the nearest BEmONC or CEmONC facility: Pregnant woman walking or being carried until reaching a road or boat route and then taking a motor vehicle;
  - b. Between the BEmONC facility and the nearest CEmONC facility in case of complication: Use of a motor vehicle.
9. The maximum travelling speeds reported in Table 11.

The following modules of AccessMod have then been used as follow:

- Module 1 to merge the landcover with the transportation and hydrographic network layers;
- Module 2 to measure the travel time to the nearest BEmONC or CEmONC facility;
- Module 4 to measure the travel time between each BEmONC and the nearest CEmONC facility;
- Module 5 to extract the evolution of accessibility coverage for different travel time at both the State and the LGA level.

Finally, the following reference benchmarks have been used to comment on the results:

- The International Conference on Population and Development (ICPD) target of having 90% of births assisted by a skilled attendant by 2015 [15] has been used as a benchmark for accessibility coverage. In the context of our analyses, we further interpreted this target to require that skilled attendance at birth should be available for 90% of births. Skilled attendance at birth is interpreted as a skilled attendant working within an enabling environment or health system that is capable of providing care for normal deliveries as well as appropriate emergency obstetric care for all women who develop complications during childbirth.<sup>4</sup> Other breaks have also been used when presenting the geographic coverage results (75, 50, 25

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<sup>4</sup> <http://web.unfpa.org/public/home/mothers/pid/4383> [Accessed February 27, 2016]

- and 0%) but these do not have any particular programmatic significance, they have just been used to facilitate the visualisation of the data on tables and maps.
- The standard for the availability of services suggested in the 2009 hand book for monitoring emergency obstetric care is set to be between 2 and 3 hours [2].
  - In case of complications, especially haemorrhage, the estimated average interval between onset of a postpartum haemorrhage and death is set as being 2 hours [16]. This value has therefore been used as benchmark when looking at referral between a BEmOC facility, where all women delivering should initially seek care, and the nearest CEmOC facility because of severe complications.

The results obtained for the three groups of facilities defined in Chapter 2 are reported in the following sections.

### 5.1 Evolution of the accessibility coverage for BEmONC facilities

As per the assumptions reported in Chapter 2:

- CEmONC facilities have also been considered as BEmONC facilities and this for both fully and partially functional facilities;
- health facilities not performing any EmONC signal functions (non-functional EMONC) have been considered for potential upgrade to become BEmONC facilities.

The total number of facilities considered for each group has therefore been as follow (Annex 3):

- Fully functional BEmONC, including CEmONC, facilities: 9
- Facilities part of the 1st phase of implementation of the MCSP (fully and partially functional as well as non-functional EmONC facilities): 120
- All the facilities part of the first phase of implementation together with the other facilities covered during the HFA and for which at least one attended delivery took place during the 12 months preceding the assessment: 296

Figure 11 present the spatial distribution of the travel time to the nearest BEmONC, including CEmONC, facilities obtained for the three groups of facilities through the application of the second module of AccessMod.

The LGA boundaries layer for 2015 (Figures 2 and 3) has then be used to obtained the measure of accessibility coverage, expressed as the total number and percentage of pregnant women located within the different travel time set for the study (1, 2, 3 and 4 hours ) and this at both the State and LGA levels (Annex 5, Figure 12 and 13).

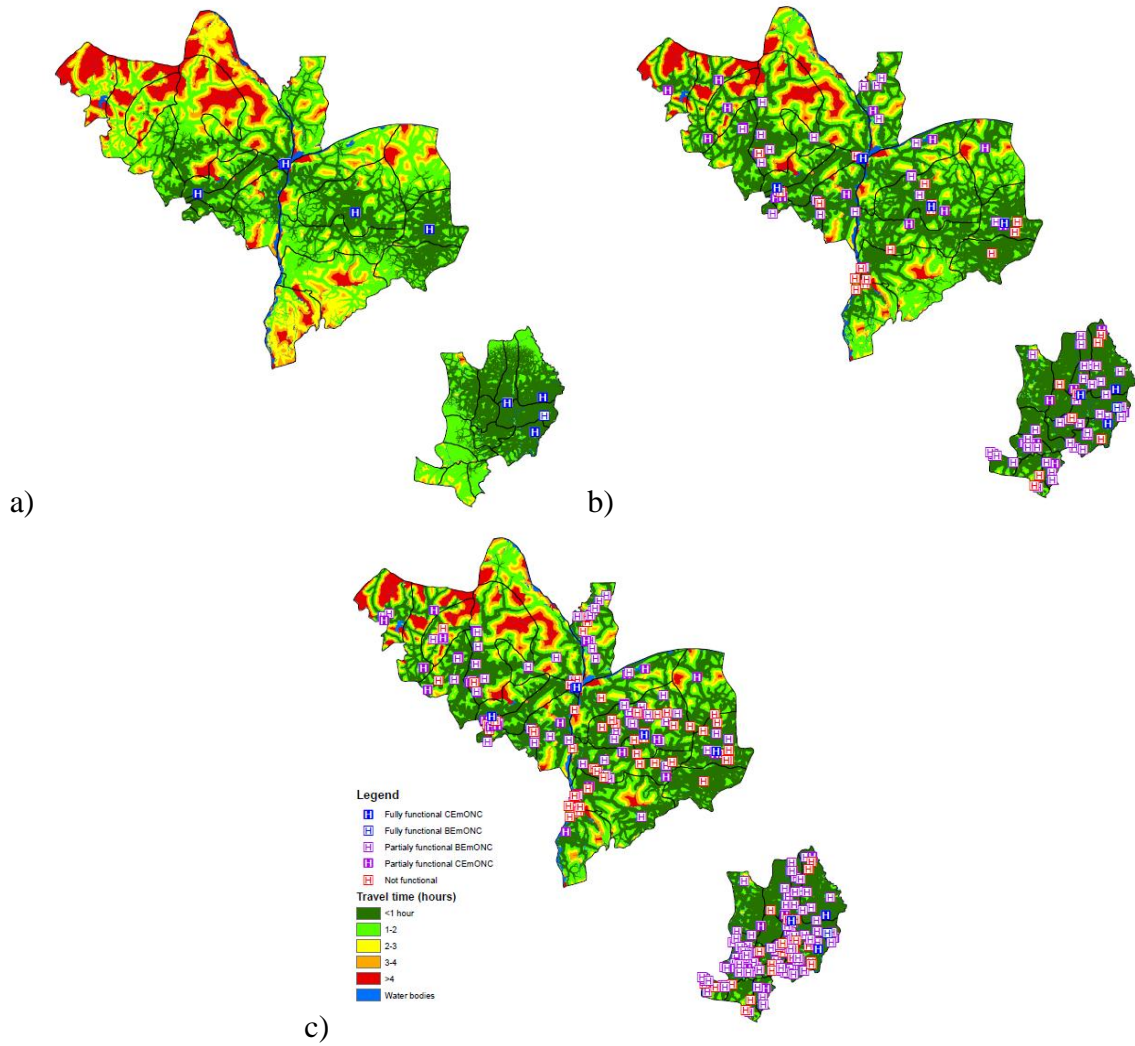


Figure 11 – Travel time to the nearest a) fully functional EmONC facility b) facility part of the 1st phase of implementation of the MCSP and c) facility part of the 1st phase of implementation or part of the HFA and presenting at least one attended delivery over the 12 months preceding the assessment

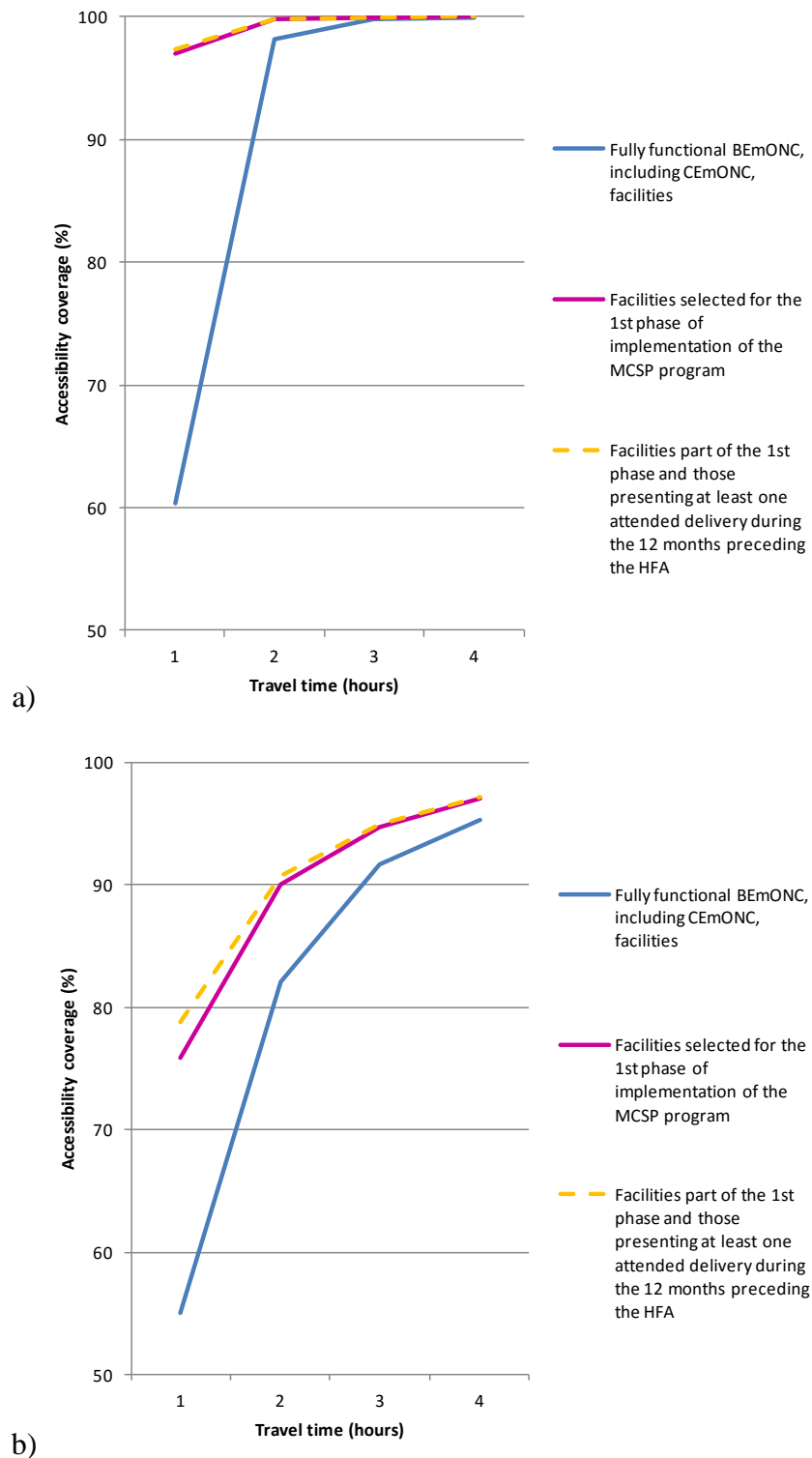


Figure 12 - State level evolution of the percentage of pregnant women (accessibility coverage) within a given travel time to the three considered group of BEmONC, including CEmONC, facilities for the States of a) Ebonyi and b) Kogi

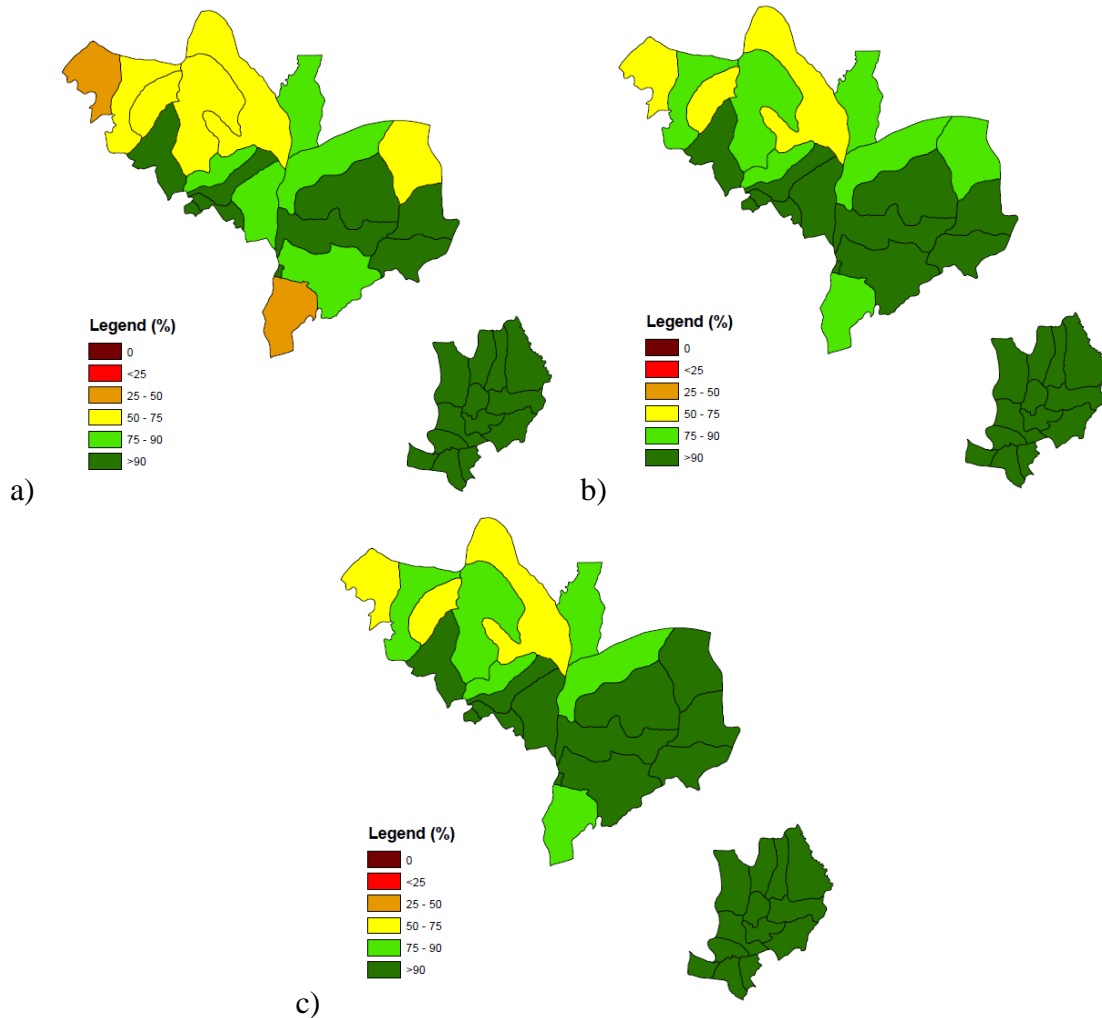


Figure 13 - LGA level percentage of pregnant women (accessibility coverage) within 2 hours of travel time to the three considered group of health facilities: a) the fully functional EmONC facilities b) the 120 facilities selected for the 1st phase of implementation of the MCSP as well as c) all the facilities part of the 1st phase of implementation together with the other facilities covered during the HFA and for which at least one attended delivery took place during the 12 months preceding the assessment

The following can be observed from Annex 5, Figure 12 and 13 taking into account that the result obtained here depend greatly on the population distribution grid (figure 10):

#### 1. State of Ebonyi:

- At the State level:
  - 60.4% of pregnant women have physical access to a fully functional BEmONC, including CEmONC facility within 1 hour of travel time. This percentage increases to reach 98.18% for 2 hours, 99.8% for 3 hours and 99.98% for 4 hours of travel time;



- These percentages reach 97 % (+36.6%) for 1 hour, 99.78% (+1.6%) for 2 hours, 99.94% (+0.14%) for 3 hours and 99.99% (+0.01%) for 4 hours when adding the other 55 facilities part of the first phase of implementation of the MCSP in the State of Ebonyi;
- While the gain in accessibility coverage is significant when adding the other facilities part of the 1st phase of implementation for 1 hours of travel time (+36.6%), this gain remains very limited for the other considered travel times;
- Adding the other facilities covered during the HFA and presenting at least one attended delivery over the 12 months preceding the assessment (74 facilities in the case of Ebonyi State) does not result in any significant increase of coverage;
- 2 hours of travel time has to be considered in order for 90% of the pregnant population in the State to currently reach a fully functional BEmONC, including CEmONC, facility. Once the first phase of the MCSP implemented this benchmark would already be reached after 1 hour of travel time based on the scenario and maximum travelling speed used in the context of this project (Table 11).
- At the LGA level:
  - When considering only the fully functional BEmONC, including CEmONC, health facilities:
    - Only 3 LGAs (Abakaliki, Ebonyi and Ezza North) presents an accessibility coverage above the 90% coverage benchmark after 1 hour of travel time. This number pass to 13, and therefore all the LGAs observed in the State, when considering more than 1 hour of travel time.
    - The LGA of Ivo presents an accessibility coverage of 0% for 1 hour of travel time;
  - When adding the other facilities part of the first phase of implementation of the MCSP, all the LGAs find themselves above the 90% benchmark.
  - As mentioned earlier, adding the other facilities covered during the HFA and presenting at least one attended delivery over the 12 months preceding the assessment does not result in any significant increase of coverage

## 2. State of Kogi:

- At the State level:
  - 55.02% of pregnant women have physical access to a fully functional BEmONC, including CEmONC facility within 1 hour of travel time. This percentage increases to reach 82.09% for 2 hours, 91.64% for 3 hours and 95.27% for 4 hours of travel time;
  - These percentages reach 75.93% (+20.91%) for 1 hour, 90.03% (+7.94%) for 2 hours, 94.72% (+3.08%) for 3 hours and 97.05% (+1.78%) for 4 hours when adding the other 56 facilities part of the first phase of implementation of the MCSP in the State of Kogi;

- Adding other facilities covered during the HFA (102 facilities in the case of Kogi State) result in a coverage reaching 78.8% for 1 hour, 90.71% for 2 hours, 94.92% for 3 hours and 97.14% for 4 hours of travel time;
- The gain in accessibility coverage is significant when adding the other facilities part of the 1st phase of implementation for 1, 2 and 3 hours of travel time, (respectively +20.91%, +7.94% and +3.08%).
- Adding the other facilities covered during the HFA and presenting at least one attended delivery over the 12 months preceding the assessment (102 facilities in the case of Kogi State) present a significant increase of 2.9% when considering 1 hour of travel time indicating therefore that there might be some value in improving the number of facilities part of the MCSP when considering this travel time;
- 3 hours of travel time has to be considered in order for 90% of the pregnant population in the State to currently reach a fully functional BEmONC, including CEmONC, facility. Once the first phase of the MCSP implemented this benchmark would be reached after 2 hours of travel time based on the scenario and maximum travelling speed used in the context of this project (Table 11).
- At the LGA level:
  - When considering only the fully functional BEmONC, including CEmONC, health facilities:
    - Only 3 LGAs (Adavi, Ogori/Mangongo and Okene) presents an accessibility coverage above the 90% coverage benchmark after 1 hour of travel time. This number pass to 9 when considering 2 hours of travel time, 15 for 3 hours and 16 for 4 hours.
    - 4 LGAs (Ibaji, Idah, Yagba East and Yagba West), located in the North West and South West part of the State, present an accessibility coverage of 0% for 1 hour of travel time. This number reduces 0 when considering the other travel times;
    - The LGA remaining below the 90% coverage benchmark even after 4 hours of travel times are: Kabba/Bunu, Lokoja, Mopa-Muro, Yagba East and Yagba West which presents the lowest value with 70.91%. Ibaji does itself reach the 90% coverage benchmark between 3 and 4 hours of travel time.
  - When adding the other facilities part of the first phase of implementation of the MCSP into the analysis:
    - 6 LGAs will be above the 90% coverage benchmark for 1 hour of travel time. This number pass to 11 for 2 hours, 16 for 3 hours and 18 for 4 hours;
    - 2 LGAs (Ibaji and Lokoja) present an accessibility coverage below 50% and 9 others (Bassa, Igalamela-Odolu, Kabba/Bunu, Kogi, Mopa-Muro, Okehi, Omala, Yagba East and Yagba West) between 50 and 75% for 1 hour of travel time. This number would reduce to 3 LGAs remaining between 50% and 75% after 2 hours (Lokoja, Mopa-Muro and Yagba West);

- The 3 LGAs remaining below the 90% coverage benchmark after 4 hours of travel time are: Mopa-Muro, Yagba Est and Yagba West with once more the lowest value (80.16%).
- Adding the facilities part of the MCSP significantly improve accessibility coverage in several LGAs when considering 2 hours of travel time but gaps remains in the North West part of the State (Figure 13);
- Adding the other facilities covered during the HFA and presenting at least one attended delivery over the 12 months preceding the assessment shows a significant improvement of accessibility coverage in several LGAs including Ibaji (+15.43%), Igalamela-Odolu (+12.58%) and Omala (+8.78%) for 1 hour of travel time. The gain in coverage for these LGAs remains also significant for 2 hours of travel time. Some of the facilities responsible for such a gain, in particular Ajaka Comprehensive Health Centre, Awulu Primary Health Centre, Odolu General Hospital, Olla General Hospital and Onyedega Cottage Hospital) could therefore also be considered for inclusion in the MCSP.

## 5.2 Evolution of accessibility coverage for CEmONC facilities

The same set of analyses conducted on BEmONC facilities (section 5.1) has been conducted on CEmONC facilities. In this case, the total number of facilities considered for each group has been as follow (Annex 3):

- Fully functional CEmONC, facilities: 8
- Fully or partially functional CEmONC facilities part of the 1st phase of implementation of the MCSP: 31
- Fully or partially functional facility part of the 1st phase of implementation of the MCSP as well as the other partially functional facilities covered during the HFA and presenting at least one attended delivery over the 12 months preceding the assessment: 43

As per the assumption reported in Chapter 2, the health facilities not performing any EmONC signal functions (non-functional EmONC) have been considered for potential upgrade to become BEmONC facilities and not CEmONC facilities. They have therefore not been included here.

Figure 14 present the spatial distribution of the travel time to the nearest CEmONC facilities for the three groups of facilities obtained through the application of the second module of AccessMod.

The LGA boundaries layer for 2015 (Figures 2 and 3) has then be used to obtained the measure of accessibility coverage, expressed as the total number and percentage of pregnant women located within the different travel time set for the study (1, 2, 3 and 4 hours ) and this at both the State and LGA levels (Annex 6, Figure 15 and 16).

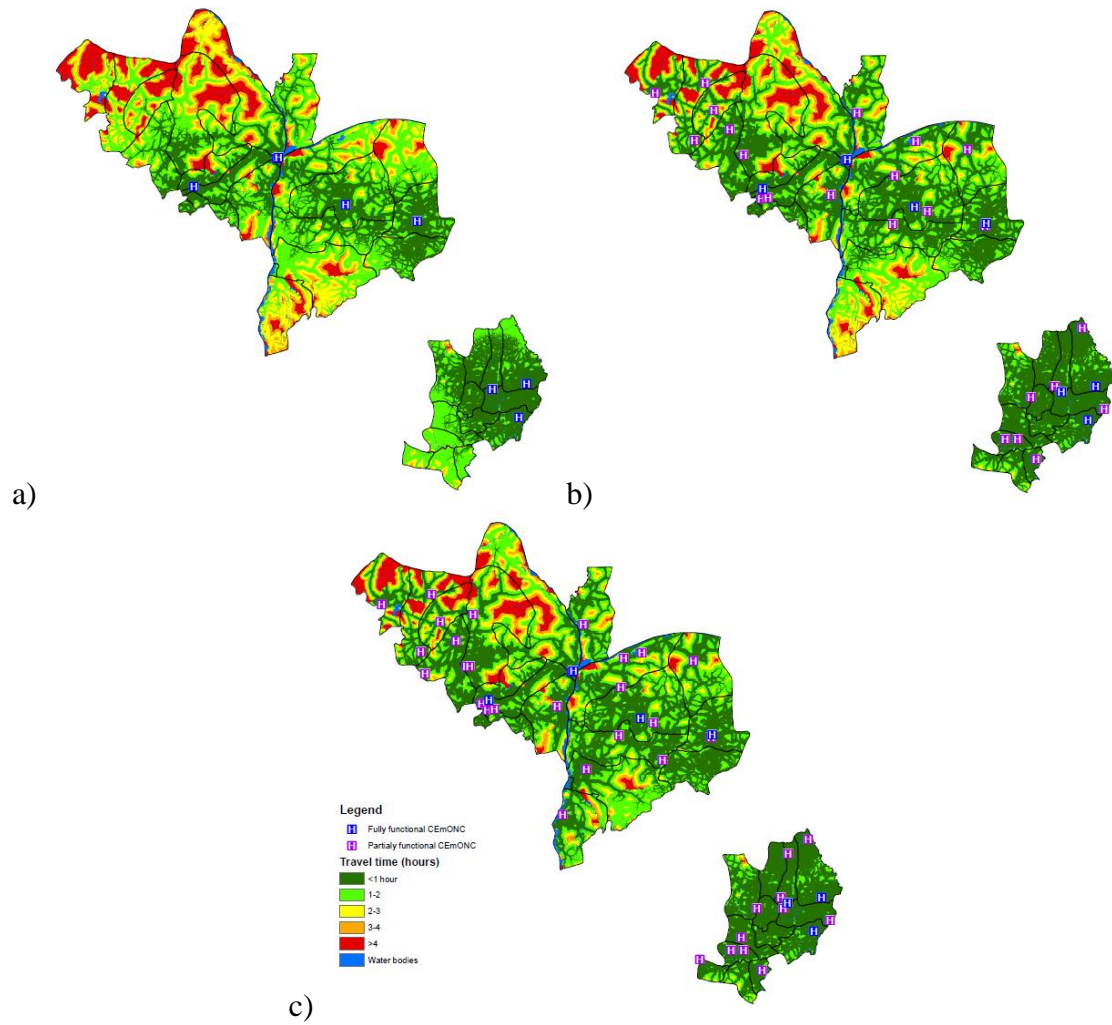


Figure 14 – Travel time to the nearest a) fully functional CEmONC facility b) fully or partially functional CEmONC facility part of the 1st phase of implementation of the MCSP and c) fully or partially functional facility part of the 1st phase of implementation as well as the other partially functional facilities covered during the HFA and presenting at least one attended delivery over the 12 months preceding the assessment

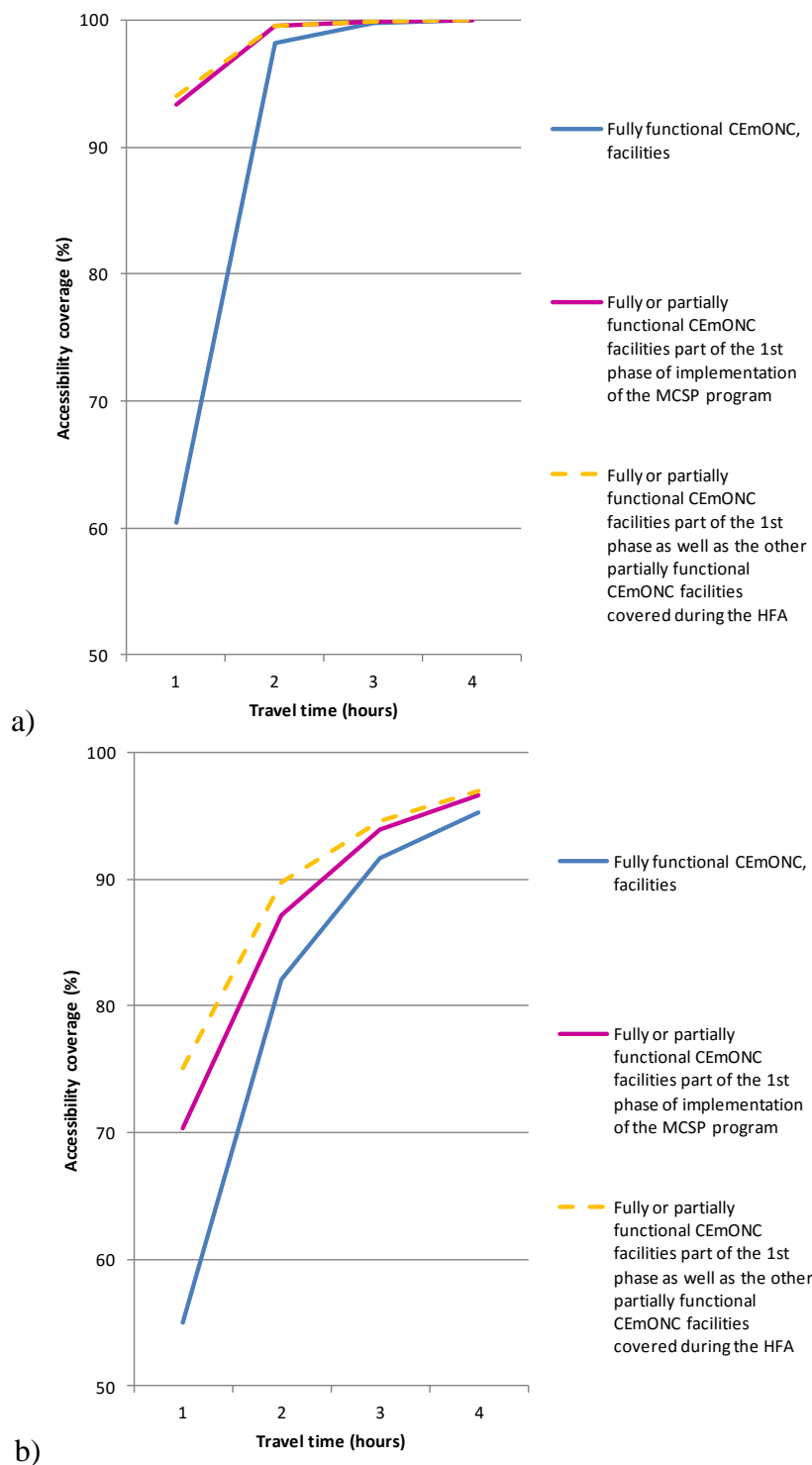


Figure 15 State level evolution of the percentage of pregnant women (accessibility coverage) within a given travel time to the three considered group of CEmONC facilities for the States of a) Ebonyi and b) Kogi

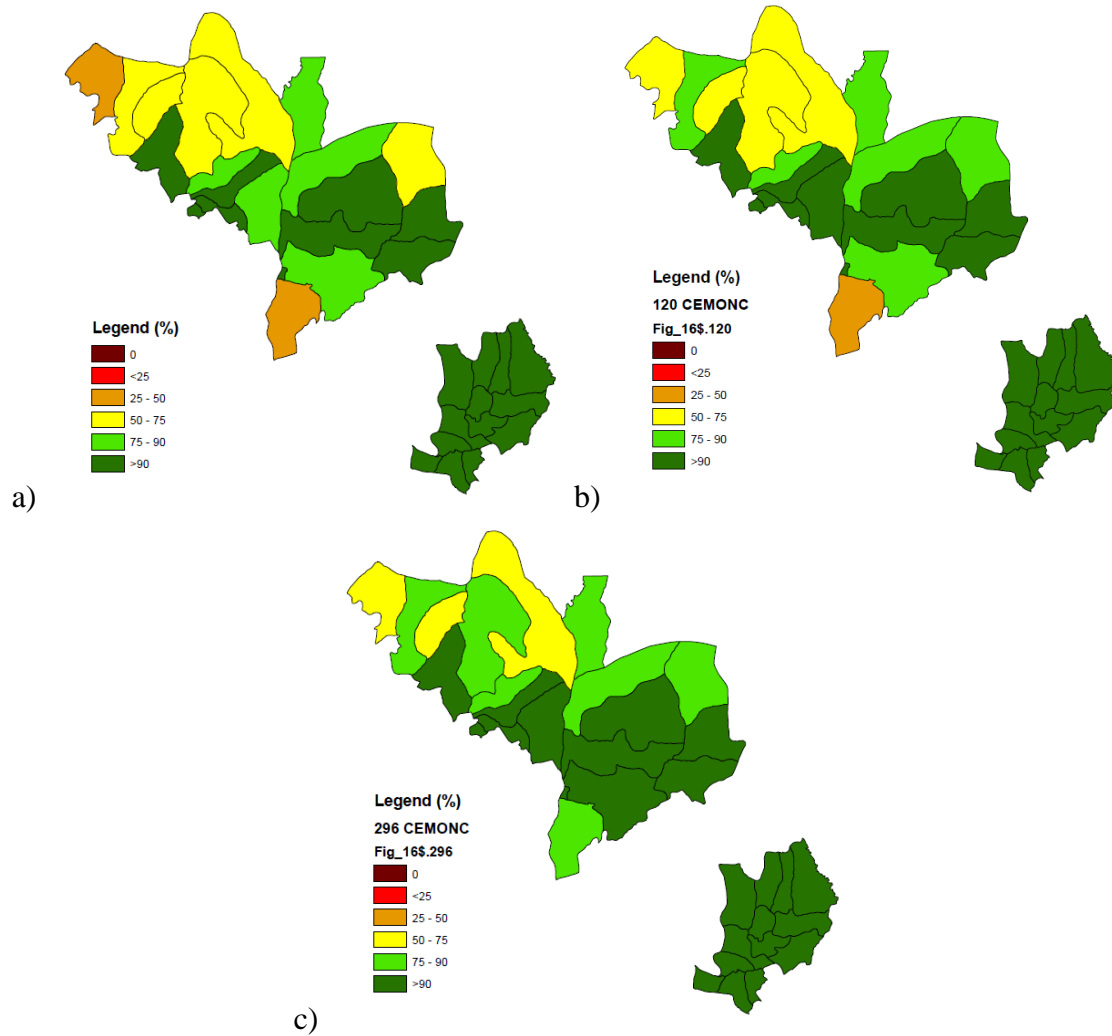


Figure 16 - LGA level percentage of pregnant women (accessibility coverage) within 2 hours of travel time to the three considered group of CEmONC health facilities: a) the fully functional CEmONC facilities b) the fully and partially functional CEmONC facilities part of the 1st phase of implementation of the MCSP c) the fully and partially functional CEmONC facilities part of the 1st phase of implementation and the other partially functional CEmONC facilities covered during the HFA

The following can be observed from Annex 6, Figure 15 and 16 taking once more into account that the result obtained here depend greatly on the population distribution grid (Figure 10):

#### 1. State of Ebonyi

- At the State level:
  - The results for the fully functional CEmONC are the same than for the fully functional BEmONC (Section 5.1) and this simply because 3 of the 4 fully functional BEmONC facilities appears to be CEmONC facilities as well and the last one is located in the close vicinity of a CEmONC facility;

- When adding the other 7 facilities to be upgraded to CEmONC as part of the 1st phase of implementation of the MCSP, accessibility coverage increases to reach 93.3% (+32.9%) for 1 hour, 99.51% (+1.3%) for 2 hours, 99.92% (+0.1%) for 3 hours and 99.99% (+0.01%) for 4 hours of travel time. The gain in coverage is therefore only significant for 1 hour of travel time;
- Like with the BEmONC facilities, adding the other partially functional CEmONC facilities covered during the HFA and presenting at least one attended delivery over the 12 months preceding the assessment (4 facilities in the case of Ebonyi State) does not result in any significant increase of coverage;
- 2 hours of travel time has to be considered in order for 90% of the pregnant population in the State to currently reach a fully functional CEmONC, facility. Once the first phase of the MCSP implemented this benchmark would already be reached after 1 hour of travel time based on the scenario and maximum travelling speed used in the context of this project (Table 11).
- At the LGA level:
  - Once again, the observation made for the fully functional BEmONC facilities (Section 5.1) also apply to the fully CEmONC facilities;
  - Adding partially functional CEmONC facilities part of the 1st phase of implementation of the MCSP into the analysis:
    - Result in having 9 of the 13 LGAs passing the 90% coverage benchmark for 1 hour of travel time and all the LGAs to be above this benchmark from 2 hours of travel time;
    - The LGAs that present the highest gain in accessibility coverage compare to the current situation are:
      - Ohaozara (+93.22%), Afikpo North (87.88%), Ivo (+86.44%), Afikpo South (+79.29%) and Onicha (+48.37%) for 1 hour of travel time;
      - Afikpo South (+7.28%) and Ivo (+7.06%) for 2 hours of travel time;
  - Adding the other partially functional CEmONC facilities covered during the HFA and presenting at least one attended delivery over the 12 months preceding the assessment does not result in significant changes at the LGA level

## 2. State of Kogi

- At the State level:
  - The results for the fully functional CEmONC are the same than for the fully functional BEmONC (Section 5.1) and this simply because all the 5 fully functional BEmONC facilities in that State appears to be CEmONC facilities as well;
  - When adding the other 16 facilities to be upgraded to CEmONC as part of the 1st phase of implementation of the MCSP, accessibility coverage

increases to reach 70.31% (+15.29%) for 1 hour, 87.15% (+5.05%) for 2 hours, 93.85% (+2.21%) for 3 hours and 96.63% (+1.36%) for 4 hours of travel time. The gain in coverage is therefore significant for 1, 2 and 3 hours of travel time;

- Adding the other 8 partially functional CEmONC facilities covered during the HFA and presenting at least one attended delivery over the 12 months preceding the assessment result in an additional 4.8% increase in accessibility coverage for 1 hour and 2.61% for 2 hours of travel time;
- 3 hours of travel time has to be considered in order for 90% of the pregnant population in the State to currently reach a fully functional CEmONC facility. Upgrading the facilities part of the first phase of implementation of the MCSP would not change this result but the State would find itself very close to this benchmark for 2 hours of travel time with 87.15%. Adding some of the other partially functional CEmONC facilities covered during the HFA and presenting at least one attended delivery over the 12 months preceding the assessment (Ajaka Comprehensive Health Centre, Ogbonicha Eye Hospital and Oneyedega Cottage Hospital, ) would make the State be at less than 1 % from reaching it for 2 hours of travel time
- At the LGA level:
  - Once again, the observation made for the fully functional BEmONC facilities (Section 5.1) also apply to the fully CEmONC facilities;
  - Adding partially functional CEmONC facilities part of the 1st phase of implementation of the MCSP into the analysis:
    - Result in an increase of the number of LGAs passing the 90% coverage benchmark for 2 (+1 LGA) and 4 (+2 LGAs) hours of travel time. For 1 and 3 hours of travel time this number does not change;
    - A LGA (Ibaji) still present an accessibility coverage of 0% when considering 1 hour of travel time. This is not the case anymore from 2 hours of travel time;
    - The LGAs that present the highest gain in accessibility coverage compare to the current situation are:
      - Idah (+67.08%), Yagba East (+62.35%), Yagba West (+51.74%), Igalamela-Odolu (+41.45%), Omala (+36.9%), Mopa-Muro (+30.63%), Bassa (+27.18%) and Kogi (+22.83%) for 1 hour of travel time;
      - Yagba West (+22.74%), Omala (+16.64%), Yagba East (+16.64%), Mopa-Muro (+15.07%) and Ibaji (+13.52%) for 2 hours of travel time;
      - Yagba West (+12.59%) and Mopa-Muro (+10.55%) for 3 hours of travel time.
    - 5 LGAs remain below the 90% coverage benchmark after 2 hours of travel time: Kabba/Bunu, Mopa-Moru, Yagba West, Lokoja and Ibaji with the lowest value (43.88%). This number reduces to 1 LGA (Yagaba West) when considering 3 hours of travel time. The gap in



accessibility coverage currently observed in both Ibaji and Yagba West is therefore not fully addressed through the implementation of the 1 phase of the MCSP;

- Adding the other partially functional CEmONC facilities covered during the HFA and presenting at least one attended delivery over the 12 months preceding the assessment result in:
  - One additional LGA to reach the 90% coverage benchmark for 1 hour (Idah) and for 2 hours (Igalamela-Odolu) of travel time;
  - An additional significant increase in accessibility coverage for the following LGAs:
    - Ibaji (+58.28%), Idah (+32.65%) and Igalamela-Odolu (+20.03%) for 1 hour of travel time;
    - Ibaji (+42.97%) and Igalamela-Odolu (10.91%) for 2 hours of travel time.
  - The facilities responsible for such gain (Ajaka Comprehensive Health Centre, Maka Clinic, Odolu General Hospital, and Onyedega Cottage Hospital, ) could therefore also be considered for inclusion in the MCSP.
  - The 3 LGAs that remains below 75% of coverage are Lokoja, Mopa-Muro and Yagba West.

### 5.3 Travel time between each BEmONC and the nearest CEmONC facility

The fourth module of AccessMod has then been used to measure the travel time between each BEmONC facility and the nearest CEmONC facility.

As per the assumptions reported in Chapter 2:

- CEmONC facilities have also been considered as BEmONC facilities and this for both fully and partially functional facilities. In this case, the referral travel time is of course equivalent to 0 as the patient is already on site of a CEmONC facility;
- health facilities not performing any EmONC signal functions (non-functional EmONC) have been considered for potential upgrade to become BEmONC facilities and not CEmONC facilities

The total number of facilities considered for the 3 groups covered in this study has therefore been as presented in Table 13.

When it comes to fully functional facilities:

- State of Ebonyi: The only BEmONC facility that is not also a fully functional CEmONC facility, Ephuenyim Health Centre, is located at 24 minutes from the nearest CEmONC facility (St Vincent (Ndubia) Mission Hospital) and do have a functioning motor vehicle on site (Annex 4). Ephuenyim Health Centre could therefore refer patients in less than 2 hours in case of complication during delivery;

- State of Kogi: All the BEmONC facilities being also CEmONC facilities the patients are already on site in case of complication.

	Ebonyi	Kogi
Fully functional facilities		
BEmONC (including CEmONC)	4	5
CEmONC	3	5
Facilities part of the 1st phase of implementation of the MCSP		
BEmONC (including CEmONC)	59	61
CEmONC	10	21
All the facilities part of the first phase of implementation and the other facilities covered during the HFA		
BEmONC (including CEmONC)	133	163
CEmONC	14	29

Table 13 - Distribution of the facilities considered for the 3 groups covered by the analysis

The analysis for the other groups of facilities has been conducted in two steps:

1. The travel time between each facility considered as BEmONC and the nearest CEmONC facility has been measured using AccessMod. This result correspond to a situation where all the BEmONC facilities would have a functioning motor vehicle on site;
2. The information regarding the availability of a functioning motor vehicle and communication medias based on the approached used by Bailey et al. in their analysis of the EmONC referral system in Ethiopia [17]. The rules they used have nevertheless been modified as follow:
  - a. If the BEmONC facility has a motorized vehicle on site, the transfer time is equal to the direct travel time to the nearest CEmONC facility;
  - b. If the BEmONC facility do not have a motorized vehicle, but has access to a communication media (phone in this case as no functioning radios):
    - Two referral times have been calculated:
      1. When the nearest CEmONC facility has functioning vehicle on site: the time it would take to contact the facility in question (+30 min in case the CEmONC does not have a functioning phone on site) in addition to the time it would take for the vehicle to reach the BEmONC facility and then bring the patient back to the CEmONC facility;
      2. The travel time between the closest facility among the 296 considered in the analysis having both a functioning motor vehicle and phone and the BEmONC facility in addition to the travel time to the nearest CEmONC facility;
    - The shortest referral time between the two calculations has been retained.
  - c. If the BEmONC facility has neither a motorized vehicle nor a means of communication (phone in this case) on site the same approach than in case b has been considered but an additional 30 minutes has been added to the

calculation in order to account for the notification and response time on the side of the BEmONC facility.

Annex 7 contains the information used and the results for both States when applying the above mentioned steps on all the health facilities part of the first phase of implementation of the MCSP (120 facilities) while Figure 17a does itself show the spatial distribution of the obtained referral time.

When applying the above-mentioned rules to take the availability of a functioning motor vehicle and communication media on site into account, and therefore be representative of the situation once the first phase of the MCSP will have been implemented:

- State of Ebonyi:
  - All the patients needing to be referred can reach the nearest CEmONC within 2 hours of travel time. Mean referral time: 37.4 minutes ;
  - The BEmONC facility that would find itself the furthest away from a CEmONC facility is the Nkalaha Health Centre with 113 minutes.
- State of Kogi:
  - The patients from 55 BEmONC facilities (90.1%) can reach the nearest CEmONC within 2 hours of travel time. Mean referral time: 48 minutes;
  - For the remaining 6 BEmONC facilities the referral time varies between 2.2 and 3.1 hours (Idah General Hospital). The facilities in question are all located in the Southern part of the State (Figure 17a)

As expected, ensuring for a functioning motor vehicle and/or phone (landline or cell) to be available on site of EmONC facilities would reduce the referral time to the nearest CEmONC facility. More specifically:

- State of Ebonyi:
  - A gain of time varying between 1.7 and 70.8 minutes would be observed for 37 health facilities with a mean value of 29.5 minutes if a functioning vehicle was on site of all BEmONC facilities;
  - The referral time would be reduced by 30 minutes for 18 facilities if all the BEmONC facilities would have a functioning phone at disposal on site;
  - Adding a functioning phone on site of few CEmONC facilities (Elinwovbu General Hospital, Mile hospital, Offiaoji Health Centre and Unique Clinic) would further reduce referral time for an additional 5 BEmONC facilities with a gain of time varying between 2.7 and 22.9 minutes and with a mean value of 12 minutes;
- State of Kogi:
  - The patients from all BEmONC facilities referred in less than two hours and a gain of time varying between 3.3 and 106.55 minutes would be observed for 36 health facilities with a mean value of 55.64 minutes if a functioning motor vehicle was on site of all BEmONC facilities;
  - The patient from 57 BEmONC facilities would be referred in less than 2 hours and the referral time being reduced by 30 minutes for 22 facilities if all the BEmONC facilities would have a functioning phone at disposal on site;

- Adding a functioning phone on site of few CEmONC facilities (Aiyetoro ECWA Hospital, Ajaokuta Medical Centre, Emewe-Opada Cottage Hospital and Sheria Catholic Mission Hospital) would not increase the number of BEmONC referring patients in less than 2 hours but would reduce referral time for an additional 12 BEmONC facilities with a gain of time varying between 4.4 and 30 min and with a mean value of 21 minutes;

Figure 17b show the referral time from each BEmONC facilities part of the first phase of implementation of the MCSP if a vehicle was to be made available on site while Figure 17c show the same time if a phone (landline or cell) would be made available to each BEmONC as well as the above mentioned CEmONC facilities.

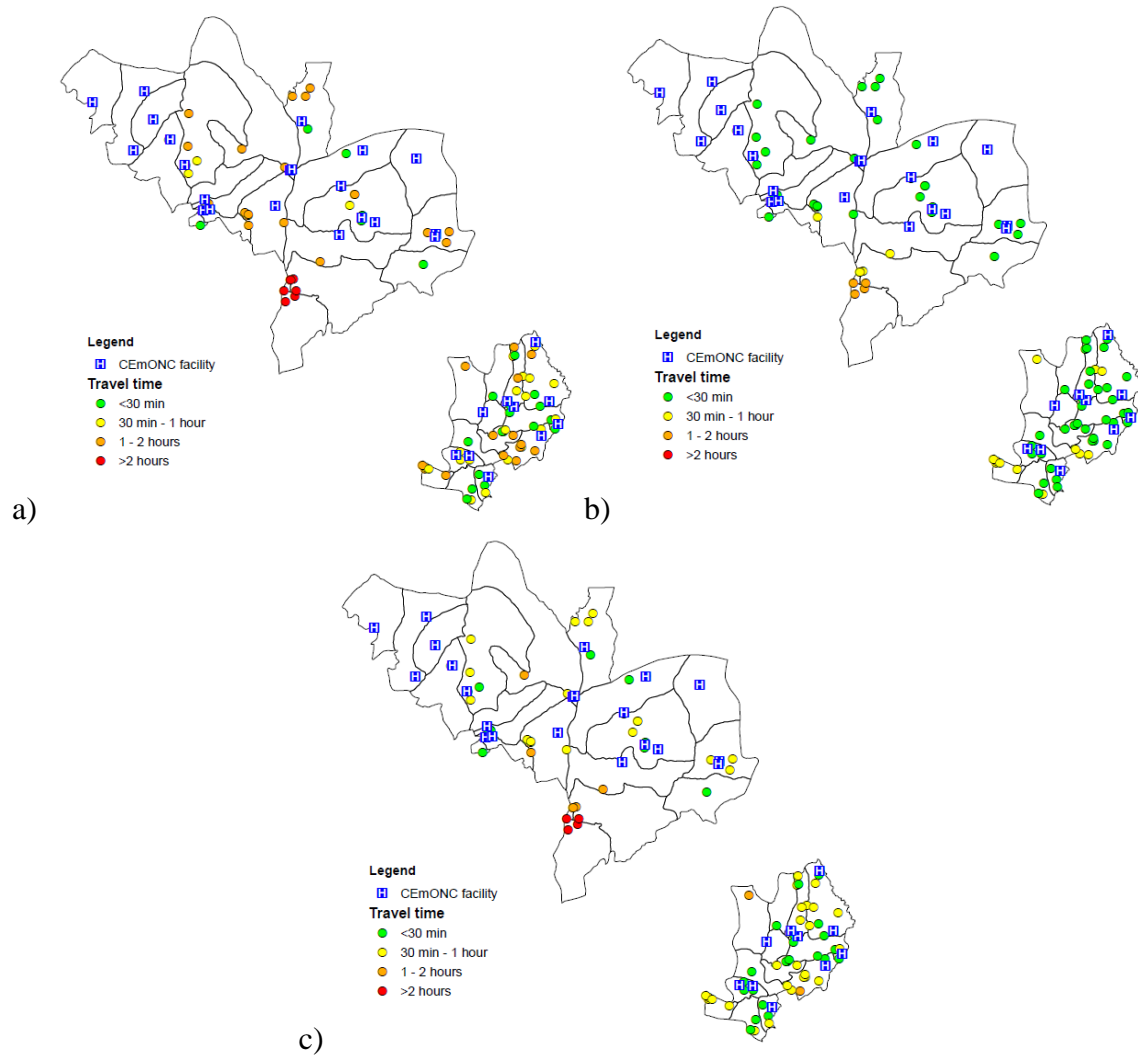


Figure 17 - Referral time from each BemONC facilities to the nearest CemONC facilities part of the 1st phase of implementation of the MCSP when considering a) the current situation; b) that a functioning motor vehicle would be available on site of each BeMONC facilities and c) that a functioning phone (landline or cell) would be on site of all the BemONC facilities and some CEmONC facilities identified during the analysis

It is important to note here that:

- The availability of a functioning motor vehicle on site of all BEmONC facilities would allow for the 6 facilities mentioned as being further away than 2 hours of referral time after the implementation of the MCSP (Figure 17a) to then be able to reach a CEmONC facility in less than 2 hours (Figure 17b). The availability of a functioning phone would itself only solve the issue for 2 of these 6 facilities (Figure 17c);
- the spatial distribution of the CEmONC facilities once the first phase of the MCSP implemented could lead to a very important volume of referral for certain CEmONC facilities (Table 14).

CEmONC facility	Number of BEmONC for which this facility is the closest CEmONC
Abakaliki Federal Teaching Hospital	10
Holly Memorial Hospital	9
Okene Zonal Hospital	8
Okposi General Hospital	8
Rural Improvement Mission Hospital	8
Uburu Presbyterian Joint Hospital	8
St Vincent (Ndubia)	6
Sudan United Mission Hospital	6

Table 14 - CEmONC facilities presenting the potential highest number of referral patients in case of complication at the BEmONC facility when considering the 120 facilities part of the first phase of implementation of the MCP

Annex 8 does contains the information used and the results for both States when applying the above mentioned steps on all the health facilities part of the first phase of implementation of the MCSP as well as the other facilities covered by the HFA and presenting at least one attended delivery during the 12 months preceding the assessment (296 facilities) while Figure 18a does itself show the spatial distribution of the obtained referral time.

The analysis conducted provides therefore information about referral time in case the MCSP was to be extended to cover all these 296 facilities:

- State of Ebonyi:
  - All the patients needing to be referred can reach the nearest CEmONC within 2 hours of travel time. Mean referral time: 41 minutes;
  - Nkalaha Health Centre would remain the BEmONC facility being the furthest away from a CEmONC facility with 113 minutes.

- State of Kogi:
  - The patients from 154 BEmONC facilities (94.4%) can reach the nearest CEmONC within 2 hours of travel time. Mean referral time: 56.6 minutes;
  - For the remaining 9 BEmONC facilities the referral time varies between 2.01 and 2.5 hours (Odolu General Hospital). The facilities in question are all located in different parts of the State (Figure 18a);
  - 3 of the 6 BEmONC facilities that would still find themselves further away than 2 hours from a CEmONC facility after implementing the MCSP (Angwa Primary Health Centre , Ichala Ajode Primary Health Centre and Idah General Hospital) would now reach such facility in less than 2 hours.

As per the analysis conducted on the facilities part of the first phase of implementation of the MCSP, ensuring for a functioning motor vehicle and/or phone (landline or cell) to be available on site of EmONC facilities would reduce the referral time to the nearest CEmONC facility in this case as well. More specifically:

- State of Ebonyi:
  - A gain of time varying between 1.7 and 70.9 minutes would be observed for 102 health facilities with a mean value of 33.7 minutes if a functioning vehicle was on site of all BEmONC facilities;
  - The referral time would be reduce by 30 minutes for 68 facilities if all the BEmONC facilities would have a functioning phone at disposal on site;
  - Adding a functioning phone on site of few CEmONC facilities (Abakaliki Federal Teaching Hospital, Rural Improvement Mission Hospital, Sudan United Mision Hospital, St Vincent (Ndubia)) would further reduce referral time for an additional 15 BEmONC facilities with an additional gain of time varying between 3.3 and 22.9 minutes and with a mean value of 12.2 minutes
- State of Kogi:
  - A gain of time varying between 1.96 and 106.55 minutes would be observed for 120 health facilities with a mean value of 59.36 minutes if a functioning vehicle was on site of all BEmONC facilities;
  - The referral time would be reduce by 30 minutes for 55 facilities if all the BEmONC facilities would have a functioning phone at disposal on site;
  - Adding a functioning phone on site of few CEmONC facilities (Aiyetoro ECWA Hospital, Ajaokuta Medical Centre, Holly Memorial Hospital and Sheria Catholic Mission Hospital) would further reduce referral time for an additional 35 BEmONC facilities with a gain of time varying between 3.4 and 30 minutes and with a mean value of 24.4 minutes

Figure 18b show the referral time from each BEmONC facilities part of the first phase of implementation of the MCSP if a vehicle was to be made available on site while Figure 18c show the same time if a phone (landline or cell) would be made available to each BEmONC as well as the above mentioned CEmONC facilities.

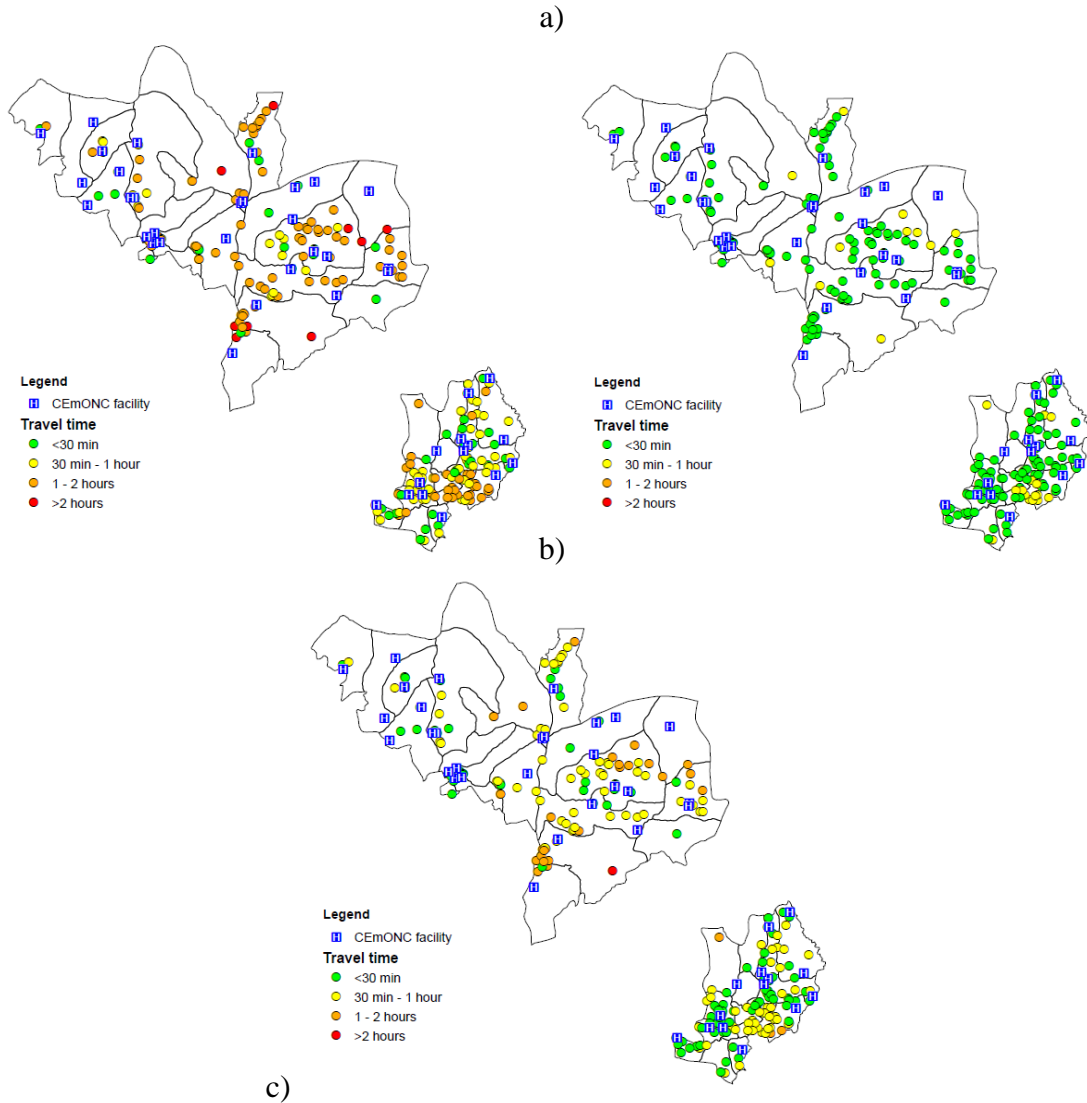


Figure 18 - Referral time from each BemONC facilities to the nearest CemONC facilities part of the all the 296 facilities included in the analysis when considering a) the current situation; b) that a functioning motor vehicle would be available on site of each BemONC facilities and c) that a functioning phone (landline or cell) would be on site of all the BemONC facilities and some CemONC facilities as identified during the analysis

It is once more important to note here:

- the impact that having a functioning motor vehicle on site of each BemONC facility would have on referral time and that this impact is different from what is obtained when ensuring the availability of a functioning phone in all BemONC and some specific CemONC facilities in case the MCSP plans to extend its support to all the 296 facilities part of the present study.
- the very important volume of referral that would be observed for several CemONC facilities (Table 15).

CEmONC facility	Number of BEmONC for which this facility is the closest CEmONC
Okposi General Hospital	21
Ajaka Comprehensive Health Centre	21
Rural Improvement Mission Hospital	18
Mother Theresa Hospital	18
Koton Karfe General Hospital	15
Okene Zonal Hospital	15
Onicha Health Centre	15
Dekina Zonal Hospital (Dekina General Hospital)	13
Nyeche Hospital	12
Grimard Hospital	11
Ankpa Zonal Hospital (Ankpa General Hospital)	10

Table 15 - CEmONC facilities presenting the potential highest number of referral patients in case of complication at the BEmONC facility when considering all the 296 health facilities part of the study



## 6. Conclusions and recommendations

The analyses performed here aims at providing the MCSP with a greater understanding of the accessibility to Basic and Comprehensive Emergency Obstetric and Neonatal Care (BEmONC/CEmONC) facilities among Local Government Areas (LGAs) in States of Ebonyi and Kogi and this with the objective to help women reaching care in a timely manner, one of the "three delays" associated with maternal and newborn deaths.

By applying the same set of indicators to different groups of health facilities these analyses do provide a picture of the current situation and help visualizing the impacts and the gaps resulting not only from the implementation of the first phase of the MCSP but a potential expansion of this program to other health facilities in these two States.

The summary table of these indicators (Annex 9) allows for the following conclusions:

1. Considering only the EmONC facilities identified as **fully functional** during the Health Facility Assessment (HFA) conducted between May and June 2015:

- Both States are:
  - not complying with the 2009 benchmark fixed by WHO, UNFPA, UNICEF and AMDD of having at least 5 EmONC facilities per 500'000 population with at least 1 of them being a CEmONC facility [2];
  - showing important geographic disparities at the LGA level in terms of density of EmONC and CEmONC facilities;
  - complying with the benchmark of 2 hours when it comes to the maximum referral travel time between the BEmONC and the nearest CEmONC facility and this mainly because most, if not all (in the case of Kogi) fully functional BEmONC facilities are also CEmONC facilities.
- The State of Ebonyi is:
  - reaching the 90% coverage benchmark after 2 hours of travel time for both BEmONC and CEmONC facilities therefore reaching the universal coverage target set by the ICPD for 2015 [15], target which recommends to have basic and comprehensive facilities available within 2-3 hours of travel time;
  - seeing all its LGAs reaching the 90% coverage benchmark after 2 hours of travel time and this for both BEmONC and CEmONC facilities.
- The State of Kogi is:
  - reaching the 90% coverage benchmark after 3 hours of travel time for both BEmONC and CEmONC facilities therefore reaching the universal coverage target set by the ICPD for 2015 [15];
  - presenting several LGAs that remains below the 90% coverage benchmark even after 4 hours of travel time, namely: Kabba/Bunu, Lokoja, Mopa-Muro, Yagba East and Yagba West. Ibaji does itself reach the 90% coverage benchmark between 3 and 4 hours of travel time

2. After having **implemented the first phase of the MCSP** and therefore upgraded additional facilities to become fully functional EmONC facilities:

- Both States will:
  - comply with the 2009 benchmark fixed by WHO, UNFPA, UNICEF and AMDD [2] when it comes to the density of EmONC and CEmONC facilities;
- The State of Ebonyi will:
  - show significant reduction in terms of geographic disparities but the density of EmONC facilities would remain low in several LGAs;
  - reach the 90% coverage benchmark within 1 hour of travel time for both BEmONC and CEmONC health facilities and this at both the State and LGA level;
  - continue ensuring for all the patients to be referred from a BEmONC facility to reach the nearest CEmONC within 2 hours of travel time. Referral time would be further reduced if a functioning motor vehicles and/or phone would be available on site.
- The State of Kogi will:
  - show significant reduction in geographic disparities for EmONC facilities but important gaps will remain in the Southern part of the State with it comes to CEmONC facilities. The MCSP would therefore benefit from adding few more CEmONC facilities in this first phase of implementation;
  - reach the 90% coverage benchmark after 2 hours of travel time for BEmONC facilities and between 2 and 3 hours for CEmONC facilities;
  - see a significant increase in the number of LGAs passing the 90% coverage benchmark when it comes to accessibility to BEmONC and CEmONC facilities but gaps will remains in several LGAs especially Ibaji, Lokoja, Mopa-Muro and Yagba West;
  - see 55 BEmONC facilities (90.1%) being able to refer patients within 2 hours of travel time. For the remaining 6 facilities the referral time will vary between 2.2 and 3.1 hours and will therefore not comply with the 2 hours benchmark.

3. If the **MCSP was to be expended beyond the 1st phase of implementation** to include the additional 176 facilities covered during the HFA and presenting at least one attended delivery over the 12 months preceding the assessment:

- Both States would:
  - continue to comply with the 2009 benchmark fixed by WHO, UNFPA, UNICEF and AMDD [2] when it comes to the density of EmONC and CEmONC facilities;
- The State of Ebonyi would:
  - not show any significant increase of accessibility coverage at both the State and LGA level and this for both BEmONC and CEmONC facilities demonstrating therefore the pertinence of the facilities that have been selected for this State and this despite the low density still observed in some of its parts;
  - continue ensuring for all the patients to be referred from a BEmONC facility to reach the nearest CEmONC within 2 hours of travel time. Referral time would

be further reduced if a functioning motor vehicles and/or phone would be available on site.

- The State of Kogi would:
  - see significant increase in accessibility coverage to BEmONC facilities for the LGAs Ibaji, Igalamela-Odolu and Omala and for Ibaji, Idah and Igalamela-Odolu when it comes to accessibility to CEmONC facilities;
  - See 154 BEmONC facilities (94.4%) being able to refer patients within 2 hours of travel time. For the remaining 9 BEmONC facilities the referral time varies between 2.01 and 2.5 hours and would therefore not comply with the 2 hours benchmark.

It is also important to mention here that the analysis conducted on the 3 groups of facilities have confirmed the important gain in terms of referral time if a functioning motor vehicle and/or phone was available on site of all BEmONC facilities and some BEmONC facilities.

The following limitations have nevertheless to be considered when looking at the above results:

1. The spatial distribution of pregnant women is based on a probabilistic model that redistributed the 2006 census population data down to a 90m square resolution grid. In addition to that, the model being used by WorldPop might have overspread population in LGAs where the road network density is low (Kappa/Bunu and Lokoja);
2. Potentially existing EmONC facilities located in the States neighboring those covered by the present study (Ebonyi and Kogi) have not been taken into account either because the data collected was not comparable (Cross River) or because the HFA has not yet implemented in the States in question. It might therefore be that some EmONC facilities are close enough to the border of Ebonyi or Kogi to have an influence on accessibility coverage;
3. Temporal discrepancies might exist between the different datasets that have been used (see Chapter 4) and it is not possible to ensure that some of the layers such as the transportation and hydrographic network are complete and up-to-date. The classification of roads in the transportation network layer would also have deserved some further check;
4. Accessibility coverage only look at how accessible the service is in terms of travel time without taking into account if the facility has enough capacity (staff, equipment) to cover the demand.

Regarding the first and second point, the type of analysis conducted here remains dependent on the data being available and working at improving those would unfortunately have a cost. This being said, it would be worth to add neighboring States in the analyses once covered by the HFA and to find out if more desegregated population data, down to the village level for example, would not be available for Nigeria as this would allow confirming the spread of the population in the above-mentioned LGAs.

When it comes to the third point, the availability of health facility level data on human resources and equipment would allow for the performing of a geographic coverage analysis, analysis that combines physical accessibility and availability of services into one single measure. Such analysis is possible with AccessMod and would allow ensuring that the offer in terms of services meets the spatial distribution of the demand. This type of analysis would also help identifying potential over or under use of services and therefore allow for the most cost-effective use and distribution of available or planned resources (human, material and financial).

Despite these limitations, the results presented already provide a first picture of the accessibility coverage offered by the EmONC facilities identified as fully functional during the 2015-2016 HFA as well as the impact that the implementation of the first phase of the MCSP will have on this coverage.

In this regards, it appears clearly from the results that:

- Implementing the first phase of the MCSP would result in a reduction of the current geographic disparities observed in both States as well as in a significant improvement of accessibility coverage across the State of Ebonyi. For Kogi, the implementation of the first phase would still present some important gaps especially in the Southern part of the State;
- The first phase of implementation of the MCSP would benefit from adding some health facilities in order to reach the 90% coverage benchmark and therefore more equity in access in the State of Kogi , namely:
  - As BEmONC facilities: Awulu Primary Health Centre, Odolu General Hospital and Olla General Hospital;
  - As CEmONC facilities: Ajaka Comprehensive Health Centre, Maka Clinic, Ogbonicha Eye Clinic and Onyedega Cottage Hospital.

Like for the analysis conducted over the State of Cross River, the work done here leads to an additional set of recommendations for consideration by USAID to:

- Advocate for a complete, up-to-date and uniquely coded health facility registry to be developed and maintained by the federal ministry of health;
- Use this registry as the reference for any other health facilities level related work in the country (survey, analysis,...)
- Homogenise data collection methods in countries, especially when implemented by different partners and this starting with the selection of the health facilities to be covered in order to ensure compatibility between States and the use of GPS devices for the collection of geographic coordinates.

The guidelines currently under development by the Asian eHealth Health Information Network (AeHIN) GIS Lab [18] in close collaboration with Mahidol Oxford Tropical Medicine Research Unit (MORU) in Bangkok and the USAID's GeoCenter could serve as the basis for the implementation of these recommendations.

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## Annex 1 – State level population - 2006 census, 2010 and 2015 projections

State code	State name	Total population (2006 census)	Inter- census Growth rate (2006 census)	2010 projected population based on census growth rate	2010 UN adjusted projected population	2015 projected population based on census growth rate	2015 UN adjusted projected population
NGA001	Abia	2,845,380	2.77	3,173,991	3,175,145	3,638,627	3,547,922
NGA002	Adamawa	3,178,950	2.89	3,562,676	3,563,971	4,108,111	4,005,702
NGA003	Akwa Ibom	3,902,051	3.36	4,453,515	4,455,134	5,253,702	5,122,736
NGA004	Anambra	4,177,828	2.8	4,665,767	4,667,463	5,356,592	5,223,061
NGA005	Bauchi	4,653,066	3.39	5,316,837	5,318,770	6,281,249	6,124,668
NGA006	Bayelsa	1,704,515	2.92	1,912,493	1,913,188	2,208,507	2,153,452
NGA007	Benue	4,253,641	3.04	4,794,952	4,796,695	5,569,465	5,430,627
NGA008	Borno	4,171,104	3.47	4,780,891	4,782,629	5,669,974	5,528,631
NGA009	Cross River	2,892,988	2.89	3,242,196	3,243,375	3,738,567	3,645,371
NGA010	Delta	4,112,445	3.22	4,668,265	4,669,962	5,469,842	5,333,488
NGA011	Ebonyi	2,176,947	2.82	2,433,090	2,433,974	2,796,058	2,726,357
NGA012	Edo	3,233,366	2.78	3,608,189	3,609,501	4,138,399	4,035,235
NGA013	Ekiti	2,398,957	3.11	2,711,600	2,712,586	3,160,309	3,081,528
NGA014	Enugu	3,267,837	3	3,677,979	3,679,316	4,263,786	4,157,497
NGA015	Federal Capital Territory	1,406,239	9.28	2,005,496	2,006,225	3,125,542	3,047,627
NGA016	Gombe	2,365,040	3.23	2,685,729	2,686,705	3,148,414	3,069,929
NGA017	Imo	3,927,563	3.19	4,453,214	4,454,833	5,210,287	5,080,403
NGA018	Jigawa	4,361,002	2.91	4,891,213	4,892,991	5,645,527	5,504,793
NGA019	Kaduna	6,113,503	3.07	6,899,526	6,902,034	8,025,657	7,825,590
NGA020	Kano	9,401,288	3.36	10,729,942	10,733,842	12,657,848	12,342,308
NGA021	Katsina	5,801,584	3.04	6,539,883	6,542,260	7,596,250	7,406,888
NGA022	Kebbi	3,256,541	3.17	3,689,523	3,690,864	4,312,583	4,205,077
NGA023	Kogi	3,314,043	3.03	3,734,332	3,735,689	4,335,423	4,227,348
NGA024	Kwara	2,365,353	2.96	2,658,093	2,659,059	3,075,479	2,998,812
NGA025	Lagos	9,113,605	3.24	10,353,381	10,357,144	12,142,893	11,840,190
NGA026	Nasarawa	1,869,377	3.05	2,108,089	2,108,855	2,449,790	2,388,721
NGA027	Niger	3,954,772	3.42	4,524,177	4,525,821	5,352,569	5,219,138
NGA028	Ogun	3,751,140	3.31	4,272,998	4,274,551	5,028,570	4,903,216
NGA029	Ondo	3,460,877	3.01	3,896,760	3,898,176	4,519,607	4,406,940
NGA030	Osun	3,416,959	3.21	3,877,277	3,878,686	4,540,836	4,427,640
NGA031	Oyo	5,580,894	3.35	6,367,159	6,369,473	7,507,548	7,320,397
NGA032	Plateau	3,206,531	2.94	3,600,577	3,601,886	4,161,912	4,058,162
NGA033	Rivers	5,198,716	3.41	5,944,923	5,947,084	7,030,058	6,854,810
NGA034	Sokoto	3,702,676	3.03	4,172,252	4,173,769	4,843,831	4,723,082
NGA035	Taraba	2,294,800	2.91	2,573,802	2,574,738	2,970,729	2,896,673
NGA036	Yobe	2,321,339	3.53	2,666,880	2,667,849	3,172,010	3,092,937
NGA037	Zamfara	3,278,873	3.2	3,719,147	3,720,499	4,353,533	4,245,006
Country level		140,431,790	3.183	159,366,814	159,424,742	186,860,084	182,201,962

## Annex 2 – LGA level population and number of pregnant women for the States of Ebonyi and Kogi

### State of Ebonyi

LGA code	LGA name	2006 Census population [4]	2010 projected population based on census growth rate	2010 UN adjusted projected population	2010 estimated number of pregnant women	2015 projected population based on census growth rate	2015 UN adjusted projected population	2015 estimated number of pregnant women
NGA011001	Abakaliki	149,683	167,295	167,356	8,368	192,252	187,459	9,373
NGA011002	Afikpo North	156,649	175,081	175,144	8,757	201,199	196,184	9,809
NGA011003	Afikpo South	157,542	176,079	176,143	8,807	202,346	197,302	9,865
NGA011004	Ebonyi	127,226	142,196	142,247	7,112	163,408	159,335	7,967
NGA011005	Ezza North	146,149	163,345	163,404	8,170	187,713	183,034	9,152
NGA011006	Ezza South	133,625	149,348	149,402	7,470	171,627	167,349	8,367
NGA011007	Ikwo	214,969	240,263	240,350	12,017	276,105	269,222	13,461
NGA011008	Ishielu	152,581	170,534	170,596	8,530	195,974	191,089	9,554
NGA011009	Ivo	121,363	135,643	135,692	6,785	155,878	151,992	7,600
NGA011010	Izzi	236,679	264,527	264,623	13,231	303,989	296,411	14,821
NGA011011	Ohaozara	148,317	165,768	165,828	8,291	190,498	185,749	9,287
NGA011012	Ohaukwu	195,555	218,564	218,644	10,932	251,170	244,908	12,245
NGA011013	Onicha	236,609	264,449	264,545	13,227	303,899	296,324	14,816
<b>Total</b>		<b>2,176,947</b>	<b>2,433,090</b>	<b>2,433,974</b>	<b>121,699</b>	<b>2,796,058</b>	<b>2,726,357</b>	<b>136,318</b>



## State of Kogi

LGA code	LGA name	2006 Census population [4]	2010 projected population based on census growth rate	2010 UN adjusted projected population	2010 estimated number of pregnant women	2015 projected population based on census growth rate	2015 UN adjusted projected population	2015 estimated number of pregnant women
NGA023001	Adavi	217,219	244,767	244,856	12,243	284,165	277,082	13,854
NGA023002	Ajaokuta	122,432	137,959	138,009	6,900	160,165	156,173	7,809
NGA023003	Ankpa	266,176	299,933	300,042	15,002	348,211	339,530	16,977
NGA023004	Bassa	139,687	157,402	157,459	7,873	182,738	178,183	8,909
NGA023005	Dekina	260,968	294,064	294,171	14,709	341,398	332,887	16,644
NGA023006	Ibaji	127,572	143,751	143,803	7,190	166,889	162,729	8,136
NGA023007	Idah	79,755	89,870	89,902	4,495	104,335	101,734	5,087
NGA023008	Igalamela-Odolu	147,048	165,697	165,757	8,288	192,368	187,572	9,379
NGA023009	Ijumu	118,593	133,633	133,682	6,684	155,143	151,276	7,564
NGA023010	Kabba/Bunu	144,579	162,915	162,974	8,149	189,138	184,423	9,221
NGA023011	Kogi	115,100	129,697	129,744	6,487	150,574	146,820	7,341
NGA023012	Lokoja	196,643	221,581	221,662	11,083	257,248	250,835	12,542
NGA023013	Mopa-Muro	43,760	49,310	49,328	2,466	57,247	55,820	2,791
NGA023014	Ofu	191,480	215,764	215,842	10,792	250,494	244,249	12,212
NGA023015	Ogori/Mangongo	39,807	44,855	44,872	2,244	52,075	50,777	2,539
NGA023016	Okehi	223,574	251,928	252,019	12,601	292,479	285,188	14,259
NGA023017	Okene	325,623	366,919	367,052	18,353	425,979	415,360	20,768
NGA023018	Olamabolo	158,490	178,590	178,655	8,933	207,336	202,168	10,108
NGA023019	Omala	107,968	121,661	121,705	6,085	141,243	137,723	6,886
NGA023020	Yagba East	147,641	166,365	166,425	8,321	193,144	188,329	9,416
NGA023021	Yagba West	139,928	157,674	157,731	7,887	183,053	178,490	8,925
<b>Total</b>		<b>3,314,043</b>	<b>3,734,332</b>	<b>3,735,689</b>	<b>186,784</b>	<b>4,335,423</b>	<b>4,227,348</b>	<b>211,367</b>

## Annex 3 - Facilities selected by MCSP for the first phase of implementation of its program

## State of Ebonyi

Unique ID	Data collection date	State Code	State Name	LGA Code	LGA Name	Facility name	Part of MCSP 1st phase	At least 1 birth over the 12 month preceding the assessment	Facility level	Facility type	Operating agency	Latitude	Longitude	Northing	Easting	Administer parental antibiotics	Administer uterotonic drugs	Administer antenatal convulsant for pre-eclampsia and eclampsia	Manually remove the placenta	Remove retained products	Perform assisted vaginal delivery	Perform basic neonatal resuscitation	Perform C-Sections	Perform blood transfusion	Number BEmONC signal functions	Number CEmONC signal functions	EmONC Status	
1230539	18-06-15	NGA011	Ebonyi	NGA011004	Ebonyi	Abakaliki Federal Teaching Hospital	Yes	Yes	Tertiary	Teaching Hospital	Government	6.332318825	8.10746248	70004.8512	401280.9225	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	7	2	Fully functional CEmONC	
1251137	01-06-15	NGA011	Ebonyi	NGA011007	Ikwu	Rural Improvement Mission Hospital	Yes	Yes	Secondary	Mission Hospital	Religious mission- Faith base organisation	6.148066049	8.276491808	679624.0759	419949.5317	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	7	2	Fully functional CEmONC	
1309030	09-06-15	NGA011	Ebonyi	NGA011020	Izi	St Vincent (Nduba)	Yes	Yes	Secondary	Mission Hospital	Religious mission- Faith base organisation	6.362789342	8.224465980	703357.1278	412588.2457	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	7	2	Fully functional CEmONC	
1229022	03-06-15	NGA011	Ebonyi	NGA011003	Abakaliki	Ephraim Health Centre	Yes	Yes	Primary	Primary Health Care	Government	6.250081962	8.334702368	698895.8179	426404.512	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	7	0	Fully functional BEmONC	
1230726	15-06-15	NGA011	Ebonyi	NGA011004	Ebonyi	Mile 4 Hospital	Yes	Yes	Secondary	Mission Hospital	Religious mission- Faith base organisation	6.365107475	8.060902177	703867.9837	396680.2915	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	6	2	Partially functional CEmONC	
1309031	10-06-15	NGA011	Ebonyi	NGA011020	Izi	Sudan United Mission Hospital	Yes	Yes	Secondary	Mission Hospital	Religious mission- Faith base organisation	6.73228155	8.240077971	744219.1557	416016.4944	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	6	2	Partially functional CEmONC	
1298029	09-06-15	NGA011	Ebonyi	NGA011003	Afiango North	Mater misericordiae Hospital	Yes	Yes	Secondary	Mission Hospital	Religious mission- Faith base organisation	5.897792224	7.94800172	632015.9713	383658.7053	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	5	2	Partially functional CEmONC	
1271217	03-06-15	NGA011	Ebonyi	NGA011003	Obaocara	Okposi General Hospital	Yes	Yes	Secondary	General Hospital	Government	6.029460019	7.831057545	666099.7769	370631.9522	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	5	2	Partially functional CEmONC	
1271438	08-06-15	NGA011	Ebonyi	NGA011003	Obaocara	Uburu Presbyterian Joint Hospital	Yes	Yes	Secondary	Mission Hospital	Religious mission- Faith base organisation	6.030135724	7.750613411	666094.2297	361727.9159	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	5	2	Partially functional CEmONC
1220432	09-06-15	NGA011	Ebonyi	NGA011003	Abakaliki	Offiajio Health Centre	Yes	Yes	Primary	Comprehensive PHC	Government	6.221528817	8.378719172	687733.3289	431270.1440	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	5	1	Partially functional CEmONC	
1230124	09-06-15	NGA011	Ebonyi	NGA011020	Izi	Boke General Hospital	Yes	Yes	Secondary	General Hospital	Government	6.407267038	8.223424021	703828.3763	415226.0973	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	5	0	Partially functional BEmONC	
1280730	01-06-15	NGA011	Ebonyi	NGA011004	Ebonyi	Abikeke Health Centre	Yes	Yes	Primary	Primary Health Care	Government	6.464044847	8.302344608	734987.0752	420741.9392	Yes	Yes	No	Yes	Yes	No	No	No	No	4	0	Partially functional BEmONC	
1260623	09-06-15	NGA011	Ebonyi	NGA011007	Ikwu	Eyibichibi Model Health Centre	Yes	Yes	Primary	Primary Health Care	Government	6.191586751	8.273210286	684438.1685	419593.0023	No	Yes	No	Yes	Yes	No	No	No	No	4	0	Partially functional BEmONC	
1271278	01-06-15	NGA011	Ebonyi	NGA011003	Obaocara	Umuakwuna Health Centre	Yes	Yes	Primary	Primary Health Care	Government	5.999513488	7.835460399	663287.7056	371112.2075	Yes	Yes	No	Yes	Yes	No	No	Yes	No	4	0	Partially functional BEmONC	
1230402	09-06-15	NGA011	Ebonyi	NGA011005	Ezza North	Umuazeekecha General Hospital	Yes	Yes	Secondary	General Hospital	Government	6.296393216	7.914482125	694939.4554	379252.7755	Yes	Yes	No	Yes	Yes	No	No	Yes	Yes	3	2	Partially functional CEmONC	
1240428	03-06-15	NGA011	Ebonyi	NGA011006	Ezza South	Azama Millennium Development Goal	Yes	Yes	Primary	Primary Health Care	Government	6.149778073	8.302033847	679844.7719	400709.1254	Yes	Yes	No	Yes	Yes	No	No	No	No	3	0	Partially functional BEmONC	
1250649	01-06-15	NGA011	Ebonyi	NGA011007	Ikwu	Echialike Millennium Development Goal	Yes	Yes	Primary	Primary Health Care	Government	6.206299991	8.227975099	686071.7032	414590.5695	Yes	Yes	No	Yes	Yes	No	No	No	No	3	0	Partially functional BEmONC	
1250657	02-06-15	NGA011	Ebonyi	NGA011007	Ikwu	Efferengba Millennium Development Goal	Yes	Yes	Primary	Primary Health Care	Government	6.070552736	8.153692004	671685.1088	406349.3833	Yes	Yes	No	Yes	Yes	No	No	No	No	3	0	Partially functional BEmONC	
1250625	03-06-15	NGA011	Ebonyi	NGA011007	Ikwu	Etien Health Centre	Yes	Yes	Primary	Primary Health Care	Government	6.031177	8.068878905	684444.3631	396499.1460	Yes	Yes	No	Yes	Yes	No	No	No	No	3	0	Partially functional BEmONC	
1280340	08-03-16	NGA011	Ebonyi	NGA011020	Izi	Nwenzanyi Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	6.331170525	8.26725267	698070.248	419598.6992	Yes	Yes	No	Yes	Yes	No	No	No	No	3	0	Partially functional BEmONC	
12801342	08-03-16	NGA011	Ebonyi	NGA011020	Izi	Nwofe Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	6.516238777	8.163195482	720347.9102	407478.9441	yes	yes	No	No	No	No	No	No	No	3	0	Partially functional BEmONC	
12708281	02-06-15	NGA011	Ebonyi	NGA011011	Obaocara	Obaocara Health Centre	Yes	Yes	Primary	Primary Health Care	Government	6.048648418	7.777010511	668735.4074	364655.04	Yes	Yes	No	No	No	No	No	No	No	3	0	Partially functional BEmONC	
12802118	06-06-15	NGA011	Ebonyi	NGA011020	Abakaliki	Uzu Uburu Health Centre	Yes	Yes	Primary	Primary Health Care	Government	6.202480979	8.082324608	695872.9156	399599.4547	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional BEmONC	
1230334	08-03-16	NGA011	Ebonyi	NGA011020	Afiango North	Amasuri Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	5.907396006	7.893796669	633089.5391	377549.1086	No	yes	No	Yes	No	No	No	No	No	2	0	Partially functional BEmONC	
1280230	11-06-15	NGA011	Ebonyi	NGA011020	Afiango North	Rim Uku General Hospital	Yes	Yes	Primary	Primary Health Care	Government	6.840508142	7.507003712	645687.2385	381211.2064	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional BEmONC	
1240335	08-03-16	NGA011	Ebonyi	NGA011003	Afiango South	Ekoi Health Centre	Yes	Yes	Primary	Primary Health Care	Government	5.752416842	7.843788063	633965.7719	373577.5643	yes	yes	No	No	No	No	No	No	No	2	0	Partially functional BEmONC	
1230231	03-06-15	NGA011	Ebonyi	NGA011006	Ezza South	Chapelgato Health Centre	Yes	Yes	Primary	Primary Health Care	Government	6.08517625	8.302033847	705251.703	401244.8332	Yes	Yes	No	Yes	Yes	No	No	No	No	2	0	Partially functional BEmONC	
1240346	04-06-15	NGA011	Ebonyi	NGA011006	Ezza South	Onukeke Maternal and Child Health	Yes	Yes	Primary	Primary Health Care	Government	6.176676088	8.041542416	682830.2595	393937.0042	No	Yes	No	No	No	No	Yes	No	No	2	0	Partially functional BEmONC	
12511315	09-06-15	NGA011	Ebonyi	NGA011007	Ikwu	Igboli General Hospital	Yes	Yes	Secondary	General Hospital	Government	6.077271332	8.143887816	674821.3655	405209.1729	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional BEmONC	
12511334	05-06-15	NGA011	Ebonyi	NGA011007	Ikwu	Uzoni Clinic and Maternity Center	Yes	Yes	Primary	Private clinic	Private for profit	6.080295983	8.150704076	675157.3834	406025.9932	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional BEmONC	
12602089	08-06-15	NGA011	Ebonyi	NGA011009	Ivo	Amagu Rite Health Centre	Yes	Yes	Primary	Primary Health Care	Government	6.844493892	7.560648417	657276.5152	349564.8531	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional BEmONC	
12615136	03-06-15	NGA011	Ebonyi	NGA011009	Ivo	Ihiagu General Hospital	Yes	Yes	Secondary	General Hospital	Government	5.950575123	7.563262391	658511.7057	349794.9327	No	Yes	No	No	No	No	No	No	No	2	0	Partially functional BEmONC	
12610270	02-06-15	NGA011	Ebonyi	NGA011009	Ivo	Iyioji Health Centre	Yes	Yes	Primary	Primary Health Care	Government	5.926843154	7.687594669	652967.4147	347459.48	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional BEmONC	
12714279	05-06-15	NGA011	Ebonyi	NGA011003	Obaocara	Ojiwe Health Centre	Yes	Yes	Primary	Primary Health Care	Government	5.998391515	7.777915103	663166.4299	361422.0368	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional BEmONC	
12811319	15-06-15	NGA011	Ebonyi	NGA011013	Onicha	Onicha General Hospital	Yes	Yes	Secondary	General Hospital	Government	6.109923005	7.825073021	675497.5399	369088.8133	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional BEmONC	
1220431	09-03-16	NGA011	Ebonyi	NGA011003	Abakaliki	Asuofia-Edda Health Centre	Yes	Yes	Primary	Primary Health Care	Government	6.191577891	8.350295655	68455.9239	429117.5742	No	yes	No	No	No	No	No	No	No	1	0	Partially functional BEmONC	
12201110	01-06-15	NGA011	Ebonyi	NGA011003	Abakaliki	Mgbabelluzor Health Centre	Yes	Yes	Primary	Primary Health Care	Government	6.231081788	8.361364211	691231.3209	429575.6291	No	Yes	No	No	No	No	No	No	No	1	0	Partially functional BEmONC	
12104013	09-03-16	NGA011	Ebonyi	NGA011020	Afiango North	Ndabigbo MDS Health Centre	Yes	Yes	Primary	Primary Health Care	Government	5.796529678	7.931871648	648923.863	381720.5678	No	yes	No	No	No	No	No	No	No	1	0	Partially functional BEmONC	
1250337	07-03-16	NGA011	Ebonyi	NGA011004	Ebonyi	Holy Trinity & Motherless Babies Home	Yes	Yes	Primary	Private clinic	Private for profit	6.644307274	8.118182548	734523.5768	401823.1602	No	Yes	No	Yes	No	No	No	No	No	1	0	Partially functional BEmONC	
1230734	03-06-15	NGA011	Ebonyi	NGA011004	Ebonyi	Okara Health Centre	Yes	Yes	Primary	Primary Health Care	Government	6.429392012	8.124787324	710793.6545	403125.1549	No	Yes	No	No	No	No	No	No	No	1	0	Partially functional BEmONC	
12305276	04-06-15	NGA011	Ebonyi	NGA011004	Ebonyi	Ugboke Health Centre	Yes	Yes	Primary	Comprehensive PHC	Government	6.507960440	8.124787324	710793.6545	403125.1549	Yes	Yes	No	No	No	No	No	No	No	1	0	Partially functional BEmONC	
12403244	16-06-15	NGA011	Ebonyi	NGA011006	Ezza South	Ezama Millennium Development Goal	Yes	Yes	Primary	Primary Health Care	Government	6.145161630	7.979031451	682093.0384	389977.8332	No	Yes	No	No	No	No	No	No	No	1	0	Partially functional BEmONC	
1240338	01-06-15	NGA011	Ebonyi	NGA011006	Ezza South	Onukeke General Hospital	Yes	Yes	Secondary	General Hospital	Government	6.170196263	8.034640421	682115.2086	391192.8339	No	Yes	No	No	No	No	No	No	No	1	0	Partially functional BEmONC	
12506559	02-06-15	NGA011	Ebonyi	NGA011007	Ikwu	Ndagu Amagu Millennium Development Goal	Yes	Yes	Primary	Primary Health Care	Government	5.990490496	8.118999114	662277.2105	402604.5367	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC	
12511248	03-06-15	NGA011	Ebonyi	NGA011007	Ikwu	Obelagbo Health Centre	Yes	Yes	Primary	Primary Health Care	Government	6.030735498	8.041571828	665144.7723	392931.4878	Yes	Yes	No	No	No	No	No	No	No	1	0	Partially functional BEmONC	
12602238	07-03-16	NGA011	Ebonyi	NGA011009	Ichiolu	Nkalaha Health Centre	Yes	Yes	Primary	Primary Health Care	Government	6.57883234	7.807766834	727347.7816	368192.7652	No	yes	No	No	No	No	No	No	No	1	0	Partially functional BEmONC	
12616167	03-06-15	NGA011	Ebonyi	NGA011009	Ivo	Amaze Health Centre	Yes	Yes	Primary	Primary Health Care	Government	5.865020286	7.543313709	659044.172	338762.1363	No	Yes	No	No	No	No	No	No	No	1	0	Partially functional BEmONC	
12701339	07-03-16	NGA011	Ebonyi	NGA011009	Ivo	Okue Health Centre	Yes	Yes	Primary	Primary Health Care	Government	5.945897143	7.588180195	657203.4931	343239.4796	Yes	Yes	No	No	No	No	No	No	No	1	0	Partially functional BEmONC	
12802144	08-03-16	NGA011																										

# Nigeria - Accessibility to EmONC facilities for the States of Ebonyi and Kogi

Unique ID	Data collection date	State Code	State Name	LGA Code	LGA Name	Facility name	Part of MSP 1st phase	At least 1 birth over the 12 month preceding the assessment	Facility level	Facility type	Operating agency	Latitude	Longitude	Northing	Easting	Administer parenteral antibiotics	Administer uterotonic drugs	Administer parenteral anticonvulsant for pre-eclampsia and eclampsia	Manually remove the placenta	Remove retained products	Perform assisted vaginal delivery	Perform basic neonatal resuscitation	Perform C-Sections	Perform blood transfusion	Number EmONC signal functions	Number CEmONC signal functions	EmONC Status
1281437	12-06-15	NGA011	Ebonyi	NGA011013	Onicha	St. Charles Clinic	Yes	Primary	Private Clinic	Private for profit	Government	6.142913789	7.815974734	679547.4795	388990.172	Yes	Yes	No	No	Yes	No	No	No	No	3	0	Partially functional EmONC
1280241	04-06-15	NGA011	Ebonyi	NGA011013	Onicha	Onicha Health Centre	Yes	Primary	Primary Health Care	Government	6.150521402	7.815345424	679028.9599	389011.2072	Yes	No	No	No	No	Yes	No	No	No	2	1	Partially functional EmONC	
1280733	17-06-15	NGA011	Ebonyi	NGA011004	Ebonyi	Unique Clinic	Yes	Secondary	Private Hospital	Private for profit	Government	6.644251862	8.112038472	734530.4416	401847.4894	No	No	No	Yes	No	No	No	No	2	1	Partially functional EmONC	
1220015	04-06-15	NGA011	Ebonyi	NGA011001	Abakaliki	Azuakara Millennium Development Goal	Yes	Primary	Primary Health Care	Government	6.258733665	8.00908068	691892.6693	399434.5674	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
1220133	09-06-15	NGA011	Ebonyi	NGA011003	Abakaliki	Elimwobu General Hospital	Yes	Secondary	General Hospital	Government	6.210320353	8.112036545	686336.7797	401764.0141	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
1230736	02-06-15	NGA011	Ebonyi	NGA011004	Ebonyi	Ndigoa Health Centre	Yes	Primary	Primary Health Care	Government	6.728813017	8.107137017	743857.3073	411359.9047	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
1230534	08-06-15	NGA011	Ebonyi	NGA011004	Ebonyi	Odomoko General Hospital	Yes	Secondary	General Hospital	Government	6.481437788	8.085541683	735012.6638	398885.5333	Yes	No	No	No	Yes	No	No	No	No	2	0	Partially functional EmONC	
1230528	01-06-15	NGA011	Ebonyi	NGA011004	Ebonyi	Uloamwu Health Centre	Yes	Primary	Primary Health Care	Government	6.599456304	8.133789299	729996.7184	404243.8802	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
1240424	16-06-15	NGA011	Ebonyi	NGA011006	Ezza South	Amudo Millennium Development Goal	Yes	Primary	Primary Health Care	Government	6.072314789	8.01479593	671397.7446	395610.3855	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
1250622	04-06-15	NGA011	Ebonyi	NGA011007	Ikwu	Imprigwa Ameka Health Centre	Yes	Primary	Primary Health Care	Government	6.118421716	8.064807402	670380.4018	399723.9459	No	Yes	No	Yes	No	No	No	No	2	0	Partially functional EmONC		
12511261	02-06-15	NGA011	Ebonyi	NGA011007	Ikwu	Item Millennium Development Goals	Yes	Primary	Primary Health Care	Government	5.994973459	8.09058666	662732.3389	399598.6264	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
12511251	11-06-15	NGA011	Ebonyi	NGA011007	Ikwu	Ndieshi Health Centre	Yes	Primary	Primary Health Care	Government	6.07842875	8.159810884	673946.432	407026.8418	Yes	No	Yes	No	No	No	No	No	No	2	0	Partially functional EmONC	
12504250	10-06-15	NGA011	Ebonyi	NGA011007	Ikwu	Oniaufukwa Health Centre	Yes	Primary	Primary Health Care	Government	6.048295904	8.230256623	689730.0758	414818.0913	No	Yes	No	No	No	No	Yes	No	No	2	0	Partially functional EmONC	
1260612	11-06-15	NGA011	Ebonyi	NGA011008	Obiaku	Agba General Hospital	Yes	Secondary	General Hospital	Government	6.238918923	7.854395028	689752.9711	373260.6544	No	Yes	No	Yes	No	No	No	No	No	2	0	Partially functional EmONC	
1270827	01-06-15	NGA011	Ebonyi	NGA011011	Ohazara	Mgbom Urban Health Centre	Yes	Primary	Primary Health Care	Government	6.035192421	7.82086033	677236.0053	389507.504	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
1270834	04-06-15	NGA011	Ebonyi	NGA011011	Ohazara	Ndumuhu Health Centre	Yes	Primary	Primary Health Care	Government	6.053165317	7.816744572	669346.3185	389053.0871	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
12715396	03-06-15	NGA011	Ebonyi	NGA011011	Ohazara	Umungwa Millennium Development Goal	Yes	Primary	Primary Health Care	Government	6.007741023	7.91529511	669442.2602	396237.3824	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
12810295	05-06-15	NGA011	Ebonyi	NGA011013	Onicha	Ajabor Health Centre	Yes	Primary	Primary Health Care	Government	6.168208401	7.812932348	681502.2666	379821.8448	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
12808305	11-06-15	NGA011	Ebonyi	NGA011013	Onicha	Akanu Health Centre	Yes	Primary	Primary Health Care	Government	6.091910504	7.750863475	673522.2066	367267.4092	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
12812309	05-06-15	NGA011	Ebonyi	NGA011013	Onicha	Enyibichiri Health Centre	Yes	Primary	Primary Health Care	Government	6.052196458	8.027057735	669002.9867	392330.2615	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
12808303	05-06-15	NGA011	Ebonyi	NGA011013	Onicha	Iyama Health Centre	Yes	Primary	Primary Health Care	Government	6.061126027	7.816473613	670746.0232	369990.1486	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
12810312	10-06-15	NGA011	Ebonyi	NGA011013	Onicha	Izu Health Centre	Yes	Primary	Primary Health Care	Government	6.147686995	7.795551104	679660.0539	366730.9793	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
12813309	11-06-15	NGA011	Ebonyi	NGA011013	Onicha	Obegwu Health Centre	Yes	Primary	Primary Health Care	Government	6.252479566	7.762631991	691828.1778	363116.3491	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
12813294	10-06-15	NGA011	Ebonyi	NGA011013	Onicha	Okara Millennium Development Goal	Yes	Primary	Primary Health Care	Government	6.012294722	8.012549072	664662.2669	390716.4879	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
12810310	11-06-15	NGA011	Ebonyi	NGA011013	Onicha	Omami Health Centre	Yes	Primary	Primary Health Care	Government	6.212123687	7.757488812	688926.256	367235.1682	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
12812306	08-06-15	NGA011	Ebonyi	NGA011013	Onicha	Oshiri Model Health Centre	Yes	Primary	Primary Health Care	Government	6.126680177	7.859797345	677334.8233	377839.0612	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
12810297	10-06-15	NGA011	Ebonyi	NGA011013	Onicha	Umufi Health Centre	Yes	Primary	Primary Health Care	Government	6.162686502	7.780349701	681342.5543	360502.5229	Yes	Yes	No	No	No	No	No	No	No	2	0	Partially functional EmONC	
12202126	02-06-15	NGA011	Ebonyi	NGA011001	Abakaliki	Edda Dispensary	Yes	Primary	Primary Health Care	Government	6.234862718	8.155117704	689222.1993	419118.6228	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional EmONC	
12202113	05-06-15	NGA011	Ebonyi	NGA011001	Abakaliki	Ukpanaka Health Centre	Yes	Primary	Primary Health Care	Government	6.239768088	8.152053188	689765.7081	403431.1286	No	No	No	No	No	No	No	No	No	1	0	Partially functional EmONC	
12307232	05-06-15	NGA011	Ebonyi	NGA011004	Ebonyi	Edeagwu Millennium Development Goal	Yes	Primary	Primary Health Care	Government	6.531318346	8.06549523	720303.9027	386729.1746	No	No	No	No	Yes	No	No	No	No	1	0	Partially functional EmONC	
12307225	08-06-15	NGA011	Ebonyi	NGA011004	Ebonyi	Obobo Health Centre	Yes	Primary	Primary Health Care	Government	6.428971383	8.072617752	710717.3145	397445.8214	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional EmONC	
12307237	04-06-15	NGA011	Ebonyi	NGA011004	Ebonyi	Ugachacha Health Centre	Yes	Primary	Primary Health Care	Government	6.588262327	8.165590725	728330.5268	407532.5994	No	Yes	No	No	No	No	No	No	No	1	0	Partially functional EmONC	
12403345	05-06-15	NGA011	Ebonyi	NGA011006	Ezza South	Onuozu Ogbu Maternal and Child Health	Yes	Primary	Primary Health Care	Government	6.136179641	8.00869544	678381.4448	395315.0742	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional EmONC	
12511247	04-06-15	NGA011	Ebonyi	NGA011007	Ikwu	Abina Health Centre	Yes	Primary	Primary Health Care	Government	6.007402117	8.118933988	666212.3554	402494.2405	No	Yes	No	No	No	No	No	No	No	1	0	Partially functional EmONC	
12502556	11-06-15	NGA011	Ebonyi	NGA011007	Ikwu	Ogbagbo Millennium Development Goal	Yes	Primary	Primary Health Care	Government	6.010339869	8.189311246	664414.0235	410280.4995	Yes	Yes	No	No	No	No	No	No	No	1	0	Partially functional EmONC	
12511240	02-06-15	NGA011	Ebonyi	NGA011007	Ikwu	Orora Health Centre	Yes	Primary	Primary Health Care	Government	6.020474609	8.108148468	665242.4881	402077.8449	No	Yes	No	No	No	No	No	No	No	1	0	Partially functional EmONC	
12610275	01-06-15	NGA011	Ebonyi	NGA011009	Ivo	Akarewa Basic Health Centre	Yes	Primary	Primary Health Care	Government	5.918537771	7.691485038	654370.2521	355153.7184	No	Yes	No	No	No	No	No	No	No	1	0	Partially functional EmONC	
12702285	08-06-15	NGA011	Ebonyi	NGA011011	Ohazara	Enyimmanu Health Centre	Yes	Primary	Primary Health Care	Government	6.00728074	7.888524194	667451.1598	376994.3881	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional EmONC	
12714287	01-06-15	NGA011	Ebonyi	NGA011011	Ohazara	Onuawiankwo Health Centre (Unwagwu/Agigwe)	Yes	Primary	Primary Health Care	Government	6.053379706	7.799011289	669252.1937	367090.7234	No	Yes	No	No	No	No	No	No	No	1	0	Partially functional EmONC	
12710283	09-06-15	NGA011	Ebonyi	NGA011011	Ohazara	Ugwulungwu Health Centre	Yes	Primary	Primary Health Care	Government	6.062552385	7.871390462	670249.3028	375103.7818	No	Yes	No	No	No	No	No	No	No	1	0	Partially functional EmONC	
12712291	04-06-15	NGA011	Ebonyi	NGA011011	Ohazara	Umungwa Enugu Health Post	Yes	Primary	Primary Health Care	Government	6.054107152	7.749441599	669345.0063	361604.2992	No	Yes	No	No	No	No	No	No	No	1	0	Partially functional EmONC	
12802298	04-06-15	NGA011	Ebonyi	NGA011013	Onicha	Amakporo Health Centre	Yes	Primary	Primary Health Care	Government	6.126598828	7.830243564	677279.8703	379598.1575	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional EmONC	
12815304	04-06-15	NGA011	Ebonyi	NGA011013	Onicha	Amasinda	Yes	Primary	Primary Health Care	Government	6.132339207	7.869456234	677981.5235	367123.6817	No	Yes	No	No	No	No	No	No	No	1	0	Partially functional EmONC	
12808309	11-06-15	NGA011	Ebonyi	NGA011013	Onicha	Ebirigbo Millennium Development Goal	Yes	Primary	Primary Health Care	Government	6.016817948	7.900242035	665184.7804	378950.9001	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional EmONC	
12802311	08-06-15	NGA011	Ebonyi	NGA011013	Onicha	Ogongongwu Health Centre	Yes	Primary	Primary Health Care	Government	6.089406308	7.80989794	672323.0252	368214.7293	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional EmONC	
12209217	02-06-15	NGA011	Ebonyi	NGA011001	Abakaliki	Enyiga Health Centre	Yes	Primary	Primary Health Care	Government	6.280239683	8.137289653	680416.7994	404553.8723	No	No	No	No	No	No	No	No	No	0	0	Not functional	
12001200	08-06-15	NGA011	Ebonyi	NGA011003	Abakaliki	Unagboko Health Centre	Yes	Primary	Primary Health Care	Government	6.334325117	8.135295122	700344.5771	404333.8538	No	No	No	No	No	No	No	No	No	0	0	Not functional	
12404040	09-06-15	NGA011	Ebonyi	NGA011006	Ezza South	Amagu Health Centre	Yes	Primary	Primary Health Care	Government	6.125123003	8.054153862	677128.1464	395343.1921	No	No	No	No	No	No	No	No	No	0	0	Not functional	
12403336	11-06-15	NGA011	Ebonyi	NGA011006	Ezza South	Christian Mission Hospital	Yes	Secondary	Private Hospital	Private for profit	Government	6.163635133	8.026834628	681391.3903	392327.8198	No	No	No	No	No	No	No	No	No	0	0	Not functional
12506254	08-06-15	NGA011	Ebonyi	NGA011007	Ikwu	Ndigoa Aza Millennium Development Goal	Yes	Primary	Primary Health Care	Government	6.164161058	8.217729035	681418.054	411450.1258	No	No	No	No	No	No	No	No	No	0	0	Not functional	
12506364	04-06-15	NGA011	Ebonyi	NGA011007	Ikwu	Ogbu Eteke Health Centre	Yes	Primary	Primary Health Care																		

# Nigeria - Accessibility to EmONC facilities for the States of Ebonyi and Kogi

## State of Kogi

Unique ID	Date collection date	State Code	State Name	LGA Code	LGA Name	Facility name	Part of NSIP 1st phase	At least 1 birth over the 12 month preceding the assessment	Facility level	Facility type	Operating agency	Latitude	Longitude	Northing	Easting	Administer parenteral antibiotics	Administer uterotonic drugs	Administer parenteral anticonvulsant for pre-eclampsia and eclampsia	Manually remove the placenta	Remove retained products	Perform assisted vaginal delivery	Perform basic neonatal resuscitation	Perform C-Sections	Perform blood transfusion	Number BEmONC signal functions	Number CEmONC signal functions	EmONC Status	
20322155	04-06-15	NGA023	Kogi	NGA023003	Ankpa	Ankpa Zonal Hospital (Ankpa General Hospital)	Yes	Yes	Secondary	General Hospital	Government	7.3993735	7.627097618	838132.4235	348479.9921	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	7	2	Fully functional CEmONC	
20419133	08-06-15	NGA023	Kogi	NGA023005	Dekina	Grinard Hospital	Yes	Yes	Secondary	Mission Hospital	Religious mission- Faith base organisation	7.499282686	7.171357842	829963.807	298213.5773	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	7	2	Fully functional CEmONC	
20815181	04-06-15	NGA023	Kogi	NGA023012	Lokoja	Kogi State Specialist Hospital	Yes	Yes	Tertiary	Teaching Hospital	Government	7.793988027	6.731420881	862394.7339	249817.1114	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	7	2	Fully functional CEmONC	
20825210	08-06-15	NGA023	Kogi	NGA023012	Lokoja	Lokoja Federal Medical Centre	Yes	Yes	Tertiary	Teaching Hospital	Government	7.799262409	6.741784802	862772.7086	250896.8756	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	7	2	Fully functional CEmONC	
21809197	08-06-15	NGA023	Kogi	NGA023016	Ojochi	Obangede General Hospital	Yes	Yes	Secondary	General Hospital	Government	7.610384723	6.20542231	842222.0651	161656.734	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	7	2	Fully functional CEmONC	
20901189	05-06-15	NGA023	Kogi	NGA023013	Mopa-Muro	Mopa General Hospital	Yes	Yes	Secondary	General Hospital	Government	8.310702499	8.889831632	891443.728	171913.9591	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	6	2	Partially functional CEmONC	
21106200	25-05-15	NGA023	Kogi	NGA023017	Okene	Okengwe General Hospital	Yes	Yes	Secondary	General Hospital	Government	7.546747421	6.196618801	835185.2564	190618.0629	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	6	2	Partially functional CEmONC	
21222207	09-06-15	NGA023	Kogi	NGA023007	Yagba East	Itedo-Irunda General Hospital (Itanu General Hospital)	Yes	Yes	Secondary	General Hospital	Government	8.279316677	5.833620881	916656.1242	151137.8134	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	6	2	Partially functional CEmONC	
21216136	05-06-15	NGA023	Kogi	NGA023021	Yagba West	Yagba West Evangelical Church of West Africa (ECWA) Hospital, Egebe	Yes	Yes	Secondary	Mission Hospital	Religious mission- Faith base organisation	8.212191842	5.516639836	909424.528	116308.7679	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	6	2	Partially functional CEmONC	
20412158	05-06-15	NGA023	Kogi	NGA023005	Dekina	Dekina Zonal Hospital (Dekina General Hospital)	Yes	Yes	Secondary	General Hospital	Government	7.697250068	7.043461797	851322.2836	284194.2959	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	5	2	Partially functional CEmONC	
20601134	04-06-15	NGA023	Kogi	NGA023010	Kabba/Bunu	St. John's Catholic Hospital,	Yes	Yes	Secondary	Mission Hospital	Religious mission- Faith base organisation	7.826281387	6.081728537	866209.9463	178139.2591	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	5	2	Partially functional CEmONC	
20715180	12-06-15	NGA023	Kogi	NGA023011	Kogi	Koton Karfe General Hospital	Yes	Yes	Secondary	General Hospital	Government	8.095767807	6.801231164	895540.0912	257696.8868	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	5	2	Partially functional CEmONC	
21022135	27-05-15	NGA023	Kogi	NGA023014	Oju	Holly Memorial Hospital	Yes	Yes	Secondary	Mission Hospital	Religious mission- Faith base organisation	7.391150512	7.032803264	837469.2272	282865.5284	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	5	2	Partially functional CEmONC	
21106139	26-05-15	NGA023	Kogi	NGA023017	Okene	Okene Zonal Hospital	Yes	Yes	Secondary	General Hospital	Government	7.554289119	6.237227225	835990.9398	193164.0919	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	5	2	Partially functional CEmONC	
22024020	03-06-15	NGA023	Kogi	NGA023019	Osita	Abeokuto 1 General Hospital	Yes	Yes	Secondary	General Hospital	Government	7.867238617	7.506383528	869514.4441	233311.7462	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	5	2	Partially functional CEmONC	
20025349	11-03-16	NGA023	Kogi	NGA023003	Ajaka	Ajaka Medical Centre	Yes	Yes	Secondary	General Hospital	Government	7.575124217	6.638993813	838305.7817	238440.9708	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	4	2	Partially functional CEmONC	
20309147	07-06-15	NGA023	Kogi	NGA023003	Ankpa	Universal Hospital (Bethel Hospital)	Yes	Yes	Secondary	Private Hospital	Private for profit	7.382319243	7.621301387	816248.448	347802.9554	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes	4	2	Partially functional CEmONC	
20411139	03-06-15	NGA023	Kogi	NGA023005	Dekina	Egume General Hospital	Yes	Yes	Secondary	General Hospital	Government	7.472095739	7.251630434	826230.6572	307060.0423	Yes	Yes	No	Yes	No	No	Yes	Yes	Yes	4	2	Partially functional CEmONC	
22116205	09-06-15	NGA023	Kogi	NGA023021	Yagba East	Eke Okunjo Cottage Hospital	Yes	Yes	Secondary	General Hospital	Government	7.916286713	5.764862118	914662.1138	147088.7181	Yes	Yes	No	Yes	No	No	No	Yes	No	4	1	Not functional	
20111005	25-05-15	NGA023	Kogi	NGA023003	Adavi	Ozorkotu Modern Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	7.951472884	6.222848799	940116.7313	193546.6765	Yes	Yes	No	No	No	No	Yes	No	No	4	0	Partially functional BEmONC	
20600605	25-05-15	NGA023	Kogi	NGA023010	Kabba/Bunu	Egbede Maternal and Child Health	Yes	Yes	Primary	Primary Health Care	Government	7.76847491	6.106815501	897952.651	180864.561	Yes	Yes	No	No	No	No	Yes	No	4	0	Partially functional BEmONC		
20710077	10-06-15	NGA023	Kogi	NGA023011	Kogi	Griyian Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	8.246159222	6.743989711	912123.5171	251478.8603	Yes	Yes	No	Yes	No	No	Yes	No	4	0	Partially functional BEmONC		
20211028	03-06-15	NGA023	Kogi	NGA023003	Ajaka	Ajaka Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	7.467515176	6.630440341	827365.2863	242526.3491	Yes	Yes	No	No	No	No	No	No	No	3	0	Partially functional BEmONC	
20203256	11-03-16	NGA023	Kogi	NGA023003	Ajaka	Oggin Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	7.514658065	6.473121168	831450.7599	221132.7174	Yes	Yes	No	Yes	No	No	No	No	No	3	0	Partially functional BEmONC	
21519140	01-06-15	NGA023	Kogi	NGA023004	Basia	Ijumu Evangelical Church of West Africa (ECWA) Clinic, Akakana	Yes	Yes	Secondary	Mission Hospital	Religious mission- Faith base organisation	7.918561031	7.177313572	875735.1407	290608.9522	Yes	Yes	No	Yes	No	No	No	No	Yes	3	1	Partially functional CEmONC	
21101137	03-06-15	NGA023	Kogi	NGA023009	Ijumu	Aiyetoro ECWA Hospital	Yes	Yes	Secondary	Mission Hospital	Religious mission- Faith base organisation	7.985554595	5.994348015	883909.2223	168620.8096	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes	3	1	Partially functional CEmONC
21303172	03-06-15	NGA023	Kogi	NGA023009	Ijumu	Aiyetoro-Gedde General Hospital	Yes	Yes	Secondary	General Hospital	Government	7.976167224	5.984095035	882927.4672	167572.0025	Yes	Yes	No	Yes	No	No	No	No	No	No	3	0	Partially functional BEmONC
20825143	28-05-15	NGA023	Kogi	NGA023012	Lokoja	Obagana Life Care Clinic	Yes	Yes	Primary	Private Clinic	Private for profit	7.932995314	6.433822876	876769.2664	217065.6198	Yes	Yes	No	No	No	No	No	No	No	No	3	0	Partially functional BEmONC
20030358	23-03-16	NGA023	Kogi	NGA023003	Ajaka	Ajaka Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	7.446802708	6.473020353	823937.6327	231387.6659	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20204013	01-06-15	NGA023	Kogi	NGA023003	Ajaka	Petesi Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	7.51318635	6.452619207	833364.0523	218081.8369	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
21519139	01-06-15	NGA023	Kogi	NGA023004	Basia	Sheria Catholic Mission Hospital	Yes	Yes	Secondary	Mission Hospital	Religious mission- Faith base organisation	7.89312993	7.075532447	872972.6853	287831.7264	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20403539	01-04-16	NGA023	Kogi	NGA023005	Dekina	Aijalo Abosho Model Primary Health Centre	Yes	Yes	Primary	Comprehensive PHC	Government	7.572025285	7.086114072	837444.1122	290163.9398	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20424034	25-05-15	NGA023	Kogi	NGA023005	Dekina	Dekina Maternal and Child Health Clinic	Yes	Yes	Primary	Primary Health Care	Government	7.688969274	7.045272314	856988.8066	284312.6138	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20469354	14-03-16	NGA023	Kogi	NGA023005	Dekina	Odu Ofogo Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	7.64188411	7.127402971	845155.2071	293429.4102	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20613872	27-05-15	NGA023	Kogi	NGA023010	Kabba/Bunu	Aiyede Bunu General Hospital	Yes	Yes	Secondary	General Hospital	Government	7.932343812	6.302191129	878687.9296	193844.7945	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20720081	26-05-15	NGA023	Kogi	NGA023011	Kogi	Gegu Baki Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	8.250762347	6.825321297	912672.8138	260445.4662	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
21706136	05-06-15	NGA023	Kogi	NGA023015	Ogori/Mangoro	Ogori General Hospital	Yes	Yes	Secondary	General Hospital	Government	7.450533884	6.17859382	824549.2429	188558.7723	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
21051347	15-03-16	NGA023	Kogi	NGA023003	Adavi	Orun Modern Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	7.587499446	6.212891219	839699.8975	192388.8507	No	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20306018	07-06-15	NGA023	Kogi	NGA023019	Osita	Osita Primary Health Centre (Ankpa)	Yes	Yes	Primary	Primary Health Care	Government	7.482142115	7.270972115	834676.1417	342877.4738	No	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20507061	25-05-15	NGA023	Kogi	NGA023007	Idah	Ankpa Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	7.116472291	6.752466035	787227.9294	251757.5604	No	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20514051	05-06-15	NGA023	Kogi	NGA023007	Idah	Egga Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	7.110564433	6.732188283	786084.3934	249513.4485	No	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20600603	27-05-15	NGA023	Kogi	NGA023010	Kabba/Bunu	Ilike Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	8.144464139	6.138995714	901428.2655	181392.0564	Yes	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20613869	28-05-15	NGA023	Kogi	NGA023010	Kabba/Bunu	Oke Itakun Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	8.511200867	6.157346312	868910.913	186044.0705	Yes	No	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20710084	27-05-15	NGA023	Kogi	NGA023011	Kogi	Okpareke Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	8.044739276	6.839575263	889972.3051	261084.3934	No	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20720078	25-05-15	NGA023	Kogi	NGA023011	Kogi	Omoko Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	8.30077854	6.854975034	918221.5628	263719.6617	Yes	No	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20609762	26-05-15	NGA023	Kogi	NGA023007	Idah	Ateregana Primary Health Centre	Yes	Yes	Primary	Primary Health Care	Government	7.047712714	6.69397464	775633.2863	242526.1234	No	No	No	No	No	No	No	No	No	No	0	1	Not functional
20111153	26-05-15	NGA023	Kogi	NGA023003	Adavi	Nagari Comprehensive Health Centre	Yes	Yes	Primary	Comprehensive PHC	Government	7.948583558	6.229295074	893489.0725	194254.1224	No	No	No	No	No	No	No	No	No	No	0	0	Not functional
20204154	10-06-15	NGA023	Kogi	NGA023003	Ajaka	Adogo Cottage Hospital	Yes	Yes	Secondary	General Hospital	Government	7.515509378	6.472193479	831542.5623	221030.7993	No	No	No	No									

# Nigeria - Accessibility to EmONC facilities for the States of Ebonyi and Kogi

Unique ID	Data collection date	State Code	State Name	LGA Code	LGA Name	Facility name	Part of MCPSP 1st phase	At least 1 birth over the 12 month preceding the assessment	Facility level	Facility type	Operating agency	Latitude	Longitude	Northing	Easting	Administer parenteral antibiotics	Administer uterotonic drugs	Administer parenteral anticonvulsant & for pre-eclampsia and eclampsia	Manually remove the placenta	Remove retained products	Perform assisted vaginal delivery	Perform basic neonatal resuscitation	Perform C-sections	Perform blood transfusion	Number BEmONC signal functions	Number CEmONC signal functions	EmONC Status
20104093	26-05-15	NGA023	Kogi	NGA023000	Adavi	Atani Primary Health Centre	Yes	Primary	Primary Health Care	Government	2.587781569	6.122569786	899715.4769	193408.8926	Yes	Yes	No	Yes	No	No	No	No	No	No	3	0	Partially functional BEmONC
20111004	27-05-15	NGA023	Kogi	NGA023000	Adavi	Irewagere Primary Health Centre	Yes	Primary	Primary Health Care	Government	2.566488077	6.196037596	83703.2083	19070.0799	Yes	Yes	No	Yes	No	No	No	No	No	No	3	0	Partially functional BEmONC
20419040	25-05-15	NGA023	Kogi	NGA023005	Dekina	Ajenojo Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.644515377	7.079007461	845471.3097	288124.404	Yes	Yes	No	Yes	No	No	No	No	No	No	3	0	Partially functional BEmONC
20423148	25-05-15	NGA023	Kogi	NGA023005	Dekina	All star Hospital	Yes	Primary	Private Clinic	Private for profit	7.50788953	7.122090408	830312.0377	298298.9342	Yes	Yes	No	No	Yes	No	No	No	No	No	3	0	Partially functional BEmONC
20423163	05-06-15	NGA023	Kogi	NGA023005	Dekina	Emewen Oyada Cottage Hospital	Yes	Primary	Comprehensive PHC	Government	7.5127936	6.994322663	81940.6161	278651.8451	Yes	Yes	No	No	Yes	No	No	No	No	No	3	0	Partially functional BEmONC
21031375	05-06-15	NGA023	Kogi	NGA023009	Bunu	Iyara Cottage Hospital	Yes	Secondary	General Hospital	Government	7.841557006	5.965613466	867991.8156	163333.4596	Yes	Yes	No	No	Yes	No	No	No	No	No	3	0	Partially functional BEmONC
20601071	26-05-15	NGA023	Kogi	NGA023000	Kabba/Bunu	Owode Kabba Maternal and Child Health Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.83923134	6.074293215	867282.7051	177325.9458	Yes	Yes	No	Yes	No	No	No	No	No	No	3	0	Partially functional BEmONC
20712080	26-05-15	NGA023	Kogi	NGA023021	Kogi	Gugu Igba Primary Health Centre	Yes	Primary	Primary Health Care	Government	8.259479156	6.828311751	913635.3681	260780.1877	Yes	Yes	No	Yes	No	No	No	No	No	No	3	0	Partially functional BEmONC
21014142	28-05-15	NGA023	Kogi	NGA023014	Oju	Ojutu Memorial Clinic	Yes	Primary	Private Clinic	Private for profit	7.233777453	6.500347396	800117.0698	270399.0344	Yes	Yes	No	Yes	No	No	No	No	No	No	3	0	Partially functional BEmONC
21218208	06-06-15	NGA023	Kogi	NGA023021	Yagba West	Elgbe Cottage Hospital	Yes	Secondary	General Hospital	Government	8.236249339	5.510340483	812094.9659	115437.352	Yes	Yes	No	Yes	No	No	No	No	No	No	3	0	Partially functional BEmONC
20104145	27-05-15	NGA023	Kogi	NGA023000	Adavi	Agape Clinic	Yes	Secondary	Private Hospital	Private for profit	7.558296087	6.178606763	836476.255	188642.9348	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20104132	25-05-15	NGA023	Kogi	NGA023005	Adavi	Kuruko ECWA Hospital	Yes	Secondary	Mission Hospital	Religious mission- Faith base organisation	7.573389239	6.34648654	838097.1815	196382.8059	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20211146	10-06-15	NGA023	Kogi	NGA023000	Ajokuta	Avamba Clinic	Yes	Primary	Private Clinic	Private for profit	7.509735469	6.476828878	830408.0938	221536.4554	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20211007	01-06-15	NGA023	Kogi	NGA023000	Ajokuta	Kilometer 18 Adigun Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.489398797	6.576374612	828467.5884	232519.0965	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20218007	03-06-15	NGA023	Kogi	NGA023003	Ankpa	Ofezo Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.47329988	7.706386953	835384.0131	35754.1048	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20412004	28-05-15	NGA023	Kogi	NGA023005	Dekina	Ajonafo Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.579112197	7.082340636	838235.6416	288426.0396	Yes	No	No	Yes	No	No	No	No	No	No	2	0	Partially functional BEmONC
20412035	28-05-15	NGA023	Kogi	NGA023005	Dekina	Ijaji Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.463292323	7.27007141	825339.0872	309115.6557	Yes	No	No	Yes	No	No	No	No	No	No	2	0	Partially functional BEmONC
20424046	28-05-15	NGA023	Kogi	NGA023005	Dekina	Odu Ochele Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.612494464	7.201378118	841872.9025	301839.2297	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20423047	02-06-15	NGA023	Kogi	NGA023005	Dekina	Ojuwole Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.748799038	7.25063335	856095.685	311714.6877	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20419043	28-05-15	NGA023	Kogi	NGA023005	Dekina	Okpakili Ati Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.677429788	7.156940773	848853.2122	296708.298	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20412039	02-06-15	NGA023	Kogi	NGA023005	Dekina	Ujaja Model Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.634611285	7.381070884	844462.4749	321418.5816	No	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20210055	26-05-15	NGA023	Kogi	NGA023013	Moga-Muro	Ita Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.20713408	6.722621138	792751.731	248468.0532	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20715075	01-06-15	NGA023	Kogi	NGA023011	Kogi	Ette Primary Health Centre	Yes	Primary	Primary Health Care	Government	8.380155317	6.927000506	902032.9073	271735.6135	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20715089	09-06-15	NGA023	Kogi	NGA023011	Kogi	FSP Kotonkarfe Primary Health Centre	Yes	Primary	Primary Health Care	Government	8.090711708	6.800831881	854981.4711	257567.1014	No	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20715086	28-05-15	NGA023	Kogi	NGA023011	Kogi	Oron Primary Health Centre	Yes	Primary	Primary Health Care	Government	8.098719322	6.826281157	859580.61	269840.8653	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20911105	03-06-15	NGA023	Kogi	NGA023013	Moga-Muro	Ita Primary Health Centre	Yes	Primary	Primary Health Care	Government	8.131011228	5.864922338	888021.3028	157753.8846	No	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
21106126	27-05-15	NGA023	Kogi	NGA023017	Okene	Okene Maternal and Child Clinic	Yes	Primary	Primary Health Care	Government	7.551999001	6.23778487	835737.5124	195168.2556	Yes	Yes	No	No	No	No	No	No	No	No	2	0	Partially functional BEmONC
20211006	05-06-15	NGA023	Kogi	NGA023005	Adavi	Kuruko family support clinic	Yes	Primary	Primary Health Care	Government	7.570619843	6.24544702	837792.9222	196027.5544	No	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20204001	08-06-15	NGA023	Kogi	NGA023000	Adavi	Osomo Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.552384044	6.844212541	835853.725	189241.8807	Yes	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20220023	01-06-15	NGA023	Kogi	NGA023003	Ankpa	Enabo Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.26723478	7.623297439	830058.5995	348759.8317	Yes	No	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20412001	25-05-15	NGA023	Kogi	NGA023005	Dekina	Ajalo Ajikpome Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.561858568	7.103250204	836320.0889	290726.1315	Yes	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20419037	02-06-15	NGA023	Kogi	NGA023005	Dekina	Atocha Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.582783236	7.310198453	838537.0592	313574.5687	Yes	No	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20424032	26-05-15	NGA023	Kogi	NGA023005	Dekina	Barada Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.473991056	6.980915688	836658.1383	271177.2607	Yes	No	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20419154	05-06-15	NGA023	Kogi	NGA023005	Dekina	Odu-Ikaka Cottage Hospital	Yes	Secondary	General Hospital	Government	7.631544509	7.159933464	841981.289	300985.8782	Yes	No	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20424049	27-05-15	NGA023	Kogi	NGA023005	Dekina	Ojuwo Primary Health Centre	No	Primary	Primary Health Care	Government	7.412117422	7.162851818	819726.8977	297234.5169	Yes	No	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20612066	28-05-15	NGA023	Kogi	NGA023010	Kabba/Bunu	Kajola Primary Health Centre	No	Primary	Primary Health Care	Government	7.819401034	6.080461566	865449.1265	17994.4099	Yes	No	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20413068	25-05-15	NGA023	Kogi	NGA023010	Kabba/Bunu	Okeiyado Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.760747162	6.111791365	858058.5143	181407.5955	Yes	No	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20601073	28-05-15	NGA023	Kogi	NGA023010	Kabba/Bunu	Oti Bunu Primary Health Centre	Yes	Primary	Primary Health Care	Government	8.053676902	6.114204202	891350.6209	181899.2434	No	No	No	No	Yes	No	No	No	No	No	1	0	Partially functional BEmONC
20715079	25-05-15	NGA023	Kogi	NGA023011	Kogi	Adabo Primary Health Centre	Yes	Primary	Primary Health Care	Government	8.280878743	6.841629445	910008.8544	262260.7547	Yes	No	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20720076	01-06-15	NGA023	Kogi	NGA023011	Kogi	Aseni Primary Health Centre	Yes	Primary	Primary Health Care	Government	8.346151953	6.849409586	921240.0304	260977.7108	Yes	No	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20715083	27-05-15	NGA023	Kogi	NGA023011	Kogi	Skoti Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.978136382	6.860489803	882513.1628	264161.8914	Yes	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20808092	09-06-15	NGA023	Kogi	NGA023012	Lokoja	Ita Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.987207943	6.612447541	838345.9608	236811.7337	Yes	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20808100	01-06-15	NGA023	Kogi	NGA023012	Lokoja	Felate Modern Primary Health Care Centre	Yes	Primary	Comprehensive PHC	Government	7.848132213	6.72039562	868391.7747	248633.032	Yes	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20808101	26-05-15	NGA023	Kogi	NGA023012	Lokoja	Owara Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.919707095	6.434321408	870256.3328	211717.6842	Yes	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20901104	02-06-15	NGA023	Kogi	NGA023013	Moga-Muro	Okeagi Primary Health Centre	Yes	Primary	Primary Health Care	Government	8.094660031	5.830538137	886124.3638	150636.6135	No	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
20901107	01-06-15	NGA023	Kogi	NGA023013	Moga-Muro	Takete Primary Health Centre (Moga-Muro)	Yes	Primary	Primary Health Care	Government	8.097156243	5.894546468	856346.2079	157701.0888	Yes	No	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
21061138	26-05-15	NGA023	Kogi	NGA023014	Oju	Agwale Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.224252325	6.564052949	799406.6935	274085.8381	Yes	No	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
21041112	08-06-15	NGA023	Kogi	NGA023014	Oju	Ogbogbe Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.207180717	7.206962595	808134.3215	213432.3013	Yes	No	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
21009123	12-06-15	NGA023	Kogi	NGA023014	Oju	Ojuwocha Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.312854242	6.783017008	808937.0254	255239.1635	No	Yes	No	No	No	No	No	No	No	No	1	0	Partially functional BEmONC
21009120	08-06-15	NGA023	Kogi	NGA023014	Oju	Ojuwocha Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.337																



## Nigeria - Accessibility to EmONC facilities for the States of Ebonyi and Kogi

Unique ID	Date collection date	State Code	State Name	LGA Code	LGA Name	Facility name	Part of MCH 1st phase	At least 12 months preceding the assessment	Facility level	Facility type	Operating agency	Latitude	Longitude	Northing	Easting	Administer parental antibiotics	Administer uterotonic drugs	Administer parenteral anticonvulsant for eclampsia and ectclampsia	Manually remove the placenta	Remove retained products	Perform assisted vaginal delivery	Perform basic neonatal resuscitation	Perform blood transfusion	Number BEmONC	Number CEmONC	Number EmONC	Status
20316024	02-06-15	NGA023	Kogi	NGA023003	Ajigba	Oboko Oyika Primary Health Centre	No	Primary	Primary Health Care	Government	7.50038673	7.13206454	829346.246	358001.7588	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20320205	02-06-15	NGA023	Kogi	NGA023003	Ajigba	Ukpobibia Primary Health Centre	No	Primary	Primary Health Care	Government	7.50136052	7.43378885	830765.5068	349280.4568	No	No	No	No	No	No	No	No	0	0	0	Not functional	
21521517	01-06-15	NGA023	Kogi	NGA023004	Bassa	Gboloke Cottage Hospital	Yes	Primary	Comprehensive PHC	Government	7.71431434	6.89943396	855287.7892	268230.4768	No	No	No	No	No	No	No	No	0	0	0	Not functional	
21521251	01-06-15	NGA023	Kogi	NGA023004	Bassa	Omole memorial Clinic	No	Primary	Private Clinic	Private for profit	8.78424769	7.07184892	871001.1599	287426.1736	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20423103	05-06-15	NGA023	Kogi	NGA023003	Ajigba	Alseho Cottage Hospital	No	Primary	Comprehensive PHC	Government	7.50071562	7.07071562	831656.1484	278309.2122	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20434013	27-05-15	NGA023	Kogi	NGA023005	Deekina	Agbeji Ogbe Primary Health Centre	No	Primary	Primary Health Care	Government	7.545446119	7.156468516	824300.195	295645.745	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20412031	26-05-15	NGA023	Kogi	NGA023005	Deekina	Ajichemu Primary Health Centre	No	Primary	Primary Health Care	Government	7.56255154	7.04333779	836423.0279	28411.029	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20430488	26-05-15	NGA023	Kogi	NGA023005	Deekina	Ajuchada Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.54325277	7.03850568	834930.264	28189.3992	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20423938	26-05-15	NGA023	Kogi	NGA023005	Deekina	Nagokpaka Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.56122771	7.05633448	844575.4348	28052.1127	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20423950	04-06-15	NGA023	Kogi	NGA023005	Deekina	Itama Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.56132509	7.30597094	836313.401	31089.948	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20404160	03-06-15	NGA023	Kogi	NGA023005	Deekina	Iyale General Hospital	Yes	Secondary	General Hospital	Government	7.63913327	7.31687956	844766.4217	314336.1097	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20423842	27-05-15	NGA023	Kogi	NGA023005	Deekina	Odagwaya Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.68879992	7.13484952	848366.2336	294434.964	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20423938	26-05-15	NGA023	Kogi	NGA023005	Deekina	Nagokpaka Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.56122771	7.05633448	844575.4348	28052.1127	No	No	No	No	No	No	No	No	0	0	0	Not functional	
21402168	27-05-15	NGA023	Kogi	NGA023006	baji	Eliufi-Obefa Cottage Hospital	Yes	Primary	Comprehensive PHC	Government	7.00044604	6.27500631	787454.156	240404.584	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20500554	25-05-15	NGA023	Kogi	NGA023007	gah	Idaka - Ogbe Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.123122317	6.50775399	787967.6033	250454.569	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20500705	25-05-15	NGA023	Kogi	NGA023007	gah	Idaka - Ogbe Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.123122317	6.50775399	787967.6033	250454.569	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20500702	25-05-15	NGA023	Kogi	NGA023007	gah	Opfi Primary Health Centre	No	Primary	Primary Health Care	Government	7.11946728	6.479329249	787563.2124	250800.997	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20514056	26-05-15	NGA023	Kogi	NGA023007	gah	PPFN Health Centre	No	Primary	Primary Health Care	Government	7.12024159	6.736556949	787633.3069	250002.2454	No	No	No	No	No	No	No	No	0	0	0	Not functional	
2050057	25-05-15	NGA023	Kogi	NGA023007	gah	Sabongari Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.10520993	6.47001707	78607.1362	250376.092	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20505460	25-05-15	NGA023	Kogi	NGA023007	gah	Nwofia Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.03897818	6.71877623	77862.6132	250333.6171	No	No	No	No	No	No	No	No	0	0	0	Not functional	
21517129	09-05-15	NGA023	Kogi	NGA023009	Agulaemda Oniola	Anaka Clinic	Yes	Primary	Private Clinic	Private for profit	7.16136216	6.81719265	79219.5144	258933.588	No	No	No	No	No	No	No	No	0	0	0	Not functional	
21031174	12-06-15	NGA023	Kogi	NGA023009	jumu	Ekinrade Cottage Hospital	Yes	Primary	Comprehensive PHC	Government	7.83103056	5.8496201	867130.114	154214.9693	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20621064	27-05-15	NGA023	Kogi	NGA023020	Kabba/Bunu	Akhrini Primary Health Centre	No	Primary	Primary Health Care	Government	7.98874658	6.38799182	778433.9888	181211.7983	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20621065	27-05-15	NGA023	Kogi	NGA023020	Kabba/Bunu	Rehindi Primary Health Centre	No	Primary	Primary Health Care	Government	7.970104118	6.38799182	78007.7523	17279.714	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20621070	25-05-15	NGA023	Kogi	NGA023020	Kabba/Bunu	Kakun Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.752373951	6.17700843	758003.2442	18188.5665	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20613074	26-05-15	NGA023	Kogi	NGA023020	Kabba/Bunu	Oni - Egbu Primary Health Centre	No	Primary	Primary Health Care	Government	7.79555319	6.088568305	86200.266	17889.987	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20710082	08-06-15	NGA023	Kogi	NGA023031	kogi	Agbeji Ogbe Primary Health Centre	No	Primary	Primary Health Care	Government	7.54119953	6.468345213	80909.959	24658.698	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20720087	08-06-15	NGA023	Kogi	NGA023031	kogi	Achara Primary Health Centre	Yes	Primary	Primary Health Care	Government	8.153773515	6.760834518	901969.0647	25483.2103	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20710082	02-06-15	NGA023	Kogi	NGA023031	kogi	Akopsu Primary Health Centre	No	Primary	Primary Health Care	Government	8.162224769	6.738831495	920201.584	25016.7094	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20720088	10-06-15	NGA023	Kogi	NGA023031	kogi	Kpokpoko Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.842391948	6.799991423	91931.054	257639.7129	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20720089	02-06-15	NGA023	Kogi	NGA023031	kogi	Amankoloko Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.78624628	6.741483126	86112.714	250684.628	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20800397	25-06-15	NGA023	Kogi	NGA023032	lokaja	Agbeja Primary Health Centre	No	Primary	Primary Health Care	Government	7.98957944	6.648372336	88388.9898	240279.2028	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20825090	27-05-15	NGA023	Kogi	NGA023032	lokaja	Agwakuna Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.81915888	6.740270559	864971.8477	25129.494	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20830906	27-05-15	NGA023	Kogi	NGA023032	lokaja	Awagwanya Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.81548887	6.763163596	864361.967	25144.9152	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20830910	27-05-15	NGA023	Kogi	NGA023032	lokaja	Eliufi Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.86214662	6.78479259	88233.0162	25160.8985	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20851817	02-06-15	NGA023	Kogi	NGA023032	lokaja	Farele Clinic	Yes	Primary	Comprehensive PHC	Government	7.80038532	6.70752662	86317.19	24749.6999	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20852098	01-06-15	NGA023	Kogi	NGA023032	lokaja	Fate Family Support Programme Clinic	No	Primary	Primary Health Care	Government	7.85167763	6.72235786	88804.1977	24889.426	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20820909	02-06-15	NGA023	Kogi	NGA023032	lokaja	Sakata Primary Health Centre	No	Primary	Primary Health Care	Government	7.80038532	6.70752662	86317.19	24749.6999	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20830909	27-05-15	NGA023	Kogi	NGA023032	lokaja	Karar/Odhe Primary Health Centre	No	Primary	Primary Health Care	Government	8.041399523	6.756031475	878489.031	252620.065	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20810162	12-06-15	NGA023	Kogi	NGA023032	lokaja	Ohonoo Cottage Hospital	No	Primary	Comprehensive PHC	Government	8.01280041	6.720631913	886284.4341	25184.2089	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20825091	25-05-15	NGA023	Kogi	NGA023032	lokaja	Sarki Nono Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.85527774	6.713871889	86720.7615	25181.9056	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20821102	03-06-15	NGA023	Kogi	NGA023032	lokaja	Agbeji Ogbe Primary Health Centre	No	Primary	Primary Health Care	Government	7.54119953	6.468345213	80909.959	24658.698	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20911013	01-06-15	NGA023	Kogi	NGA023033	Mopa-Muro	Okagi Primary Health Centre	Yes	Primary	Primary Health Care	Government	8.165182172	1.589987091	90369.769	17524.1885	No	No	No	No	No	No	No	No	0	0	0	Not functional	
20921100	01-06-15	NGA023	Kogi	NGA023033	Mopa-Muro	Oroko 1 Primary Health Centre	Yes	Primary	Primary Health Care	Government	8.161183716	1.589721728	90357.860	17564.8004	No	No	No	No	No	No	No	No	0	0	0	Not functional	
21002111	01-06-15	NGA023	Kogi	NGA023034	Okpoko	Agropu Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.15345813	7.345232240	80944.0121	29544.8101	No	No	No	No	No	No	No	No	0	0	0	Not functional	
21002112	01-06-15	NGA023	Kogi	NGA023034	Okpoko	Agropu Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.15345813	7.345232240	80944.0121	29544.8101	No	No	No	No	No	No	No	No	0	0	0	Not functional	
21005193	08-06-15	NGA023	Kogi	NGA023034	Okpoko	Alomai Cottage Hospital	Yes	Secondary	General Hospital	Government	7.319362184	7.420017245	80943.741	305713.4962	No	No	No	No	No	No	No	No	0	0	0	Not functional	
21002192	08-06-15	NGA023	Kogi	NGA023034	Okpoko	Alomai Cottage Hospital	Yes	Primary	Comprehensive PHC	Government	7.33406082	7.20849802	81133.545	30228.885	No	No	No	No	No	No	No	No	0	0	0	Not functional	
21001802	26-05-15	NGA023	Kogi	NGA023034	Okpoko	Agropu Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.28077276	6.946611216	80016.0368	29606.9551	No	No	No	No	No	No	No	No	0	0	0	Not functional	
21002122	05-06-15	NGA023	Kogi	NGA023034	Okpoko	Idohe Ogbe Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.31664173	6.7664173	82005.0	29766.961	No	No	No	No	No	No	No	No	0	0	0	Not functional	
21041115	01-06-15	NGA023	Kogi	NGA023034	Okpoko	Odachama Primary Health Centre	Yes	Primary	Comprehensive PHC	Government	7.193575162	7.030083486	817374.362	281650.1659	No	No	No	No	No	No	No	No	0	0	0	Not functional	
21022119	26-05-15	NGA023	Kogi	NGA023034	Okpoko	Odah Primary Health Centre	No	Primary	Primary Health Care	Government	7.213747341	6.914865524	80952.631	269763.052	No	No	No	No	No	No	No	No	0	0	0	Not functional	
21002113	03-06-15	NGA023	Kogi	NGA023034	Okpoko	Odah Primary Health Centre	Yes	Primary	Primary Health Care	Government	7.213747341	6.914865524	80952.631	269763.052	No	No	No	No	No	No	No	No	0	0	0		

Unique ID	Facility Name	Part of MSCP 1st phase	At least 12 month over the 12 month preceding the assessment	EnMCoC status	Motor vehicle (1 wheel)	Miscellaneous (2 wheels)	Functioning motorized vehicle available	Landline in the maternity area	Landline elsewhere in the facility	Cell phone owned by facility	Cell phone owned by individual	Cell phone signal available	Functioning (landline and/or Cell) available	Functioning two-way radio available
1200230	Stim-Likung General Hospital	Yes	Yes	Partially functional BEMoC	Available at facility & functional	Not available at facility	Yes	Not available at facility	Not available at facility	Not available at facility	Not available at facility	No	No	Available at facility but not functional
1200432	Offaghi Health Centre	Yes	Yes	Partially functional CEMoC	Available at facility & functional	Not available at facility	Yes	Not available at facility	Not available at facility	Not available at facility	Not available at facility & functional	Yes	Yes	Not available at facility
1200384	Nguira Health Centre	Yes	Yes	Not functional	Available at facility & functional	Not available at facility	Yes	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Yes	Yes	Not available at facility
1200334	Ikoma General Hospital	Yes	Yes	Partially functional BEMoC	Available at facility & functional	Not available at facility	Yes	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Yes	Yes	Not available at facility
1200635	Staten Health Centre	Yes	Yes	Partially functional BEMoC	Available at facility & functional	Not available at facility	Yes	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Yes	Yes	Not available at facility
1200339	Abakana Federal Teaching Hospital	Yes	Yes	Fully functional BEMoC	Available at facility & functional	Not available at facility	Yes	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
1211127	Peter Immehang Mission Hospital	Yes	Yes	Partially functional CEMoC	Available at facility & functional	Not available at facility	Yes	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
1200922	Ephumyung Health Centre	Yes	Yes	Partially functional BEMoC	Available at facility & functional	Not available at facility	Yes	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
1100422	Uyemurokunda General Hospital	Yes	Yes	Partially functional BEMoC	Available at facility & functional	Not available at facility	Yes	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
1200624	Minikwaka Millennium Development Goal	Yes	Yes	Partially functional BEMoC	Available at facility & functional	Not available at facility	Yes	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
1200318	Okanga General Hospital	Yes	Yes	Partially functional BEMoC	Available at facility & functional	Not available at facility	Yes	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
1100101	Okunda Idaka General Hospital	Yes	Yes	Not functional	Available at facility & functional	Not available at facility	Yes	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
1200731	Okunda A Hospital	Yes	Yes	Partially functional CEMoC	Available at facility & functional	Not available at facility	Yes	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
1212317	Okanga General Hospital	Yes	Yes	Partially functional BEMoC	Available at facility & functional	Not available at facility	Yes	Not available at facility	Not available at facility	Available at facility & functional	Available at facility & functional	Yes	Yes	Not available at facility
1200319	Okanga General Hospital	Yes	Yes	Partially functional BEMoC	Available at facility & functional	Not available at facility	Yes	Not available at facility	Not available at facility	Available at facility & functional	Available at facility & functional	Yes	Yes	Not available at facility
1200335	Okanga General Hospital	Yes	Yes	Partially functional BEMoC	Available at facility & functional	Not available at facility	Yes	Not available at facility	Not available at facility	Available at facility & functional	Available at facility & functional	Yes	Yes	Not available at facility
1200325	Isiza Mago General Hospital	Yes	Yes	Not functional	Available at facility & functional	Not available at facility	Yes	Not available at facility	Not available at facility	Available at facility & functional	Available at facility & functional	Yes	Yes	Not available at facility
1200381	Isaka United Mission Hospital	Yes	Yes	Not functional	Available at facility & functional	Not available at facility	Yes	Not available at facility but not functional	Not available at facility	Not available at facility	Available at facility & functional	No	Yes	Not available at facility
1200628	Isaka General Hospital	Yes	Yes	Partially functional CEMoC	Available at facility & functional	Not available at facility	Yes	Not available at facility but not functional	Not available at facility	Not available at facility	Available at facility & functional	No	Yes	Not available at facility
1200337	Isaka Trinity & Motherless Babies Home	Yes	Yes	Partially functional BEMoC	Not available at facility	Available at facility & functional	Yes	Available at facility & functional	Not available at facility	Available at facility & functional	Available at facility & functional	Yes	Yes	Not available at facility
1200638	Isakaha Health Centre	Yes	Yes	Partially functional BEMoC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Not available at facility	Yes	No	Not available at facility
1200229	Isaka Health Centre	Yes	Yes	Partially functional BEMoC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Not available at facility	No	No	Not available at facility
1200436	Isaka Maternal and Child Health	Yes	Yes	Partially functional BEMoC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Not available at facility	No	No	Not available at facility
1201148	Isakidogo Health Centre	Yes	Yes	Partially functional BEMoC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Not available at facility	No	No	Not available at facility
1200334	Isamasi Primary Health Centre	Yes	Yes	Partially functional BEMoC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Yes	Yes	Not available at facility
1200335	Isak Health Centre	Yes	Yes	Partially functional BEMoC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Yes	Yes	Not available at facility
1200431	Isakanga MDC Health Centre	Yes	Yes	Partially functional BEMoC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Yes	Yes	Not available at facility
1200143	Isakohama Primary Health Centre	Yes	Yes	Partially functional BEMoC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Yes	Yes	Not available at facility
1200338	Isak Health Centre	Yes	Yes	Partially functional BEMoC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility				

## Nigeria - Accessibility to EmONC facilities for the States of Ebonyi and Kogi

[illegible]



## State of Kogi

73

## Nigeria - Accessibility to EmONC facilities for the States of Ebonyi and Kogi

Unique ID	Facility Name	Part of MSCP 1st phase	at least 1 birth over 12 month preceding the assessment	eNMC status	Most within (2 weeks)	Maintained clinics (3 weeks)	Functioning maintained while available	Landing in the maternity area	Landside elsewhere in the facility	Cell phone owned by facility	Cell phone owned by individual	Cell phone signal available	Functioning (Landline and/or Cell) available	Functioning way radio available
20720086	Osoo Primary Health Centre		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Not available at facility	No	No	Not available at facility
20040001	Osoma Primary Health Centre		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Not available at facility	No	No	Not available at facility
20031034	Osawa Primary Health Centre		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Not available at facility	No	No	Not available at facility
20091037	Takeme Primary Health Centre (Maga-Mum)		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Not available at facility	No	No	Not available at facility
21007113	Osiro-igo Primary Health Centre		Yes	Not functional	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Not available at facility	No	No	Not available at facility
20052090	Akwagwara Primary Health Centre		Yes	Not functional	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Not available at facility	No	No	Not available at facility
20413164	Oyo-Iketa Cottage Hospital		Yes	Partially functional BEMCNC	Available at facility but not functional	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Not available at facility	No	No	Available at facility & functional
21241456	Gigima General Hospital		Yes	Partially functional CEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Yes	Yes	Not available at facility
20042118	Oyokor Hospital		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Yes	Yes	Not available at facility
20024047	Oyoko-ko Primary Health Centre		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Yes	Yes	Not available at facility
20424466	Oyo-Oshella Primary Health Centre		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Yes	Yes	Not available at facility
20042118	Oyoko-ko Primary Health Centre		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Yes	Yes	Not available at facility
20434165	Abosho Cottage Hospital		Yes	Not functional	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Yes	Yes	Not available at facility
20424000	Ihano Primary Health Centre		Yes	Not functional	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Yes	Yes	Not available at facility
20424000	Ihano Primary Health Centre		Yes	Not functional	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Yes	Yes	Not available at facility
21301175	Iyera Cottage Hospital		Yes	Partially functional BEMCNC	Available at facility but not functional	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Yes	Yes	Not available at facility
21003109	Iyoka Primary Health Centre		Yes	Not functional	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Unknown	Unknown	Not available at facility
20011103	Iyoka Primary Health Centre		Yes	Not functional	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Unknown	Unknown	Not available at facility
20062034	Iyaka - Igba Primary Health Centre		Yes	Not functional	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Unknown	Unknown	Not available at facility
20062037	Jabobani Comprehensive Health Centre		Yes	Not functional	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Unknown	Unknown	Not available at facility
20417170	Jaba Comprehensive Health Centre		Yes	Partially functional CEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	Unknown	Unknown	Not available at facility
21809198	Jakoba Comprehensive Health Centre		Yes	Partially functional CEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20411004	Jeweganga Primary Health Centre		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20002001	Jidodo Kaba Maternal and Child Health Primary Health Centre		Yes	Partially functional CEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20071000	Jejo Ego Primary Health Centre		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20413040	Ajeja Primary Health Centre		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20051007	Jejoo Primary Health Centre		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20413040	Ajeja Model Primary Health Centre		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20011007	Kilometer 18 Adogwu Primary Health Centre		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20713075	Kita Primary Health Centre		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20011004	Kita Primary Health Centre		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20413040	Kita Primary Health Centre		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20413040	Kita Primary Health Centre		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091037	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
21063126	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20424000	Keneke Maternal and Child Clinic		Yes	Partially functional BEMCNC	Not available at facility	Not available at facility	No	Not available at facility	Not available at facility	Not available at facility	Available at facility & functional	No	No	Not available at facility
20091														

## Annex 5 - Accessibility coverage for BEmONC facilities

### Fully functional BEmONC, including CEmONC, facilities

LGA Code	LGA Name	Pregancies 2015	1 hour		2 hours		3 hours		4 hours	
			Nbr	%	Nbr	%	Nbr	%	Nbr	%
NGA011001	Abakaliki	9,373	9,358	99.84	9,373	100.00	9,373	100.00	9,373	100.00
NGA011002	Afikpo North	9,809	1,059	10.80	9,761	99.51	9,809	100.00	9,809	100.00
NGA011003	Afikpo South	9,865	279	2.82	8,916	90.38	9,813	99.47	9,865	100.00
NGA011004	Ebonyi	7,967	7,503	94.18	7,966	100.00	7,967	100.00	7,967	100.00
NGA011005	Ezza North	9,152	8,538	93.30	9,152	100.00	9,152	100.00	9,152	100.00
NGA011006	Ezza South	8,367	7,483	89.43	8,358	99.88	8,367	100.00	8,367	100.00
NGA011007	Ikwo	13,461	11,821	87.81	13,452	99.94	13,461	100.00	13,461	100.00
NGA011008	Ishielu	9,554	7,302	76.43	9,287	97.20	9,440	98.81	9,529	99.74
NGA011009	Ivo	7,600	0	0.00	6,895	90.73	7,496	98.64	7,600	100.00
NGA011010	Izzi	14,821	11,329	76.44	14,780	99.72	14,821	100.00	14,821	100.00
NGA011011	Ohaozara	9,287	234	2.52	8,863	95.43	9,283	99.95	9,287	100.00
NGA011012	Ohaukwu	12,245	10,375	84.73	12,245	100.00	12,245	100.00	12,245	100.00
NGA011013	Onicha	14,816	7,052	47.59	14,792	99.84	14,816	100.00	14,816	100.00

<b>Ebonyi State</b>	136,318	82,333	60.40	133,840	98.18	136,044	99.80	136,293	99.98
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LGA Code	LGA Name	Pregancies 2015	1 hour		2 hours		3 hours		4 hours	
			Nbr	%	Nbr	%	Nbr	%	Nbr	%
NGA023001	Adavi	13,854	12,493	90.17	13,512	97.53	13,732	99.12	13,840	99.90
NGA023002	Ajaokuta	7,809	5,598	71.69	6,953	89.04	7,392	94.67	7,687	98.44
NGA023003	Ankpa	16,977	15,212	89.61	16,849	99.25	16,972	99.97	16,977	100.00
NGA023004	Bassa	8,909	3,358	37.69	6,850	76.89	8,028	90.11	8,393	94.21
NGA023005	Dekina	16,644	13,212	79.38	16,035	96.34	16,523	99.27	16,633	99.93
NGA023006	Ibaji	8,136	0	0.00	2,470	30.36	6,474	79.57	7,520	92.43
NGA023007	Idah	5,087	0	0.00	5,085	99.97	5,087	100.00	5,087	100.00
NGA023008	Igalamela-Odolu	9,379	527	5.62	7,137	76.10	8,767	93.48	9,130	97.35
NGA023009	Ijumu	7,564	4,844	64.04	6,983	92.32	7,448	98.47	7,548	99.78
NGA023010	Kabba/Bunu	9,221	4,320	46.84	6,161	66.81	7,267	78.81	8,061	87.42
NGA023011	Kogi	7,341	2,748	37.43	5,822	79.31	6,760	92.08	7,163	97.57
NGA023012	Lokoja	12,542	4,865	38.79	6,816	54.35	9,574	76.34	10,967	87.44
NGA023013	Mopa-Muro	2,791	541	19.39	1,468	52.60	1,942	69.58	2,273	81.43
NGA023014	Ofu	12,212	8,262	67.65	11,554	94.61	12,149	99.48	12,199	99.89
NGA023015	Ogori/Mangongo	2,539	2,345	92.35	2,539	100.00	2,539	100.00	2,539	100.00
NGA023016	Okehi	14,259	9,508	66.68	12,103	84.88	13,169	92.35	13,538	94.94
NGA023017	Okene	20,768	19,011	91.54	20,658	99.47	20,768	100.00	20,768	100.00
NGA023018	Olamabolo	10,108	8,023	79.37	9,987	98.80	10,093	99.85	10,107	99.99
NGA023019	Omala	6,886	1,418	20.60	4,909	71.28	6,226	90.41	6,596	95.79
NGA023020	Yagba East	9,416	0	0.00	5,783	61.41	7,308	77.61	8,005	85.01
NGA023021	Yagba West	8,925	0	0.00	3,840	43.03	5,479	61.39	6,329	70.91

<b>Kogi State</b>	211,367	116,284	55.02	173,516	82.09	193,697	91.64	201,360	95.27
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<b>Both States</b>	347,685	198,618	57.13	307,356	88.40	329,740	94.84	337,652	97.11
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**Health facilities part of the 1st phase of implementation of the MCSP**

LGA Code	LGA Name	Pregancies 2015	1 hour		2 hours		3 hours		4 hours	
			Nbr	%	Nbr	%	Nbr	%	Nbr	%
NGA011001	Abakaliki	9,373	9,366	99.92	9,373	100.00	9,373	100.00	9,373	100.00
NGA011002	Afikpo North	9,809	9,724	99.13	9,809	100.00	9,809	100.00	9,809	100.00
NGA011003	Afikpo South	9,865	8,936	90.58	9,819	99.53	9,865	100.00	9,865	100.00
NGA011004	Ebonyi	7,967	7,930	99.54	7,967	100.00	7,967	100.00	7,967	100.00
NGA011005	Ezza North	9,152	9,028	98.65	9,152	100.00	9,152	100.00	9,152	100.00
NGA011006	Ezza South	8,367	8,231	98.36	8,367	100.00	8,367	100.00	8,367	100.00
NGA011007	Ikwo	13,461	13,041	96.88	13,460	99.99	13,461	100.00	13,461	100.00
NGA011008	Ishielu	9,554	8,737	91.44	9,384	98.21	9,474	99.16	9,551	99.96
NGA011009	Ivo	7,600	7,153	94.12	7,536	99.17	7,600	100.00	7,600	100.00
NGA011010	Izzi	14,821	14,442	97.45	14,813	99.95	14,821	100.00	14,821	100.00
NGA011011	Ohaozara	9,287	8,951	96.38	9,278	99.89	9,287	100.00	9,287	100.00
NGA011012	Ohaukwu	12,245	12,176	99.43	12,245	100.00	12,245	100.00	12,245	100.00
NGA011013	Onicha	14,816	14,513	97.95	14,814	99.99	14,816	100.00	14,816	100.00
<b>Ebonyi State</b>		136,318	132,227	97.00	136,018	99.78	136,237	99.94	136,314	99.99

LGA Code	LGA Name	Pregancies 2015	1 hour		2 hours		3 hours		4 hours	
			Nbr	%	Nbr	%	Nbr	%	Nbr	%
NGA023001	Adavi	13,854	12,780	92.25	13,543	97.76	13,739	99.17	13,845	99.93
NGA023002	Ajaokuta	7,809	6,519	83.48	7,213	92.37	7,588	97.17	7,768	99.47
NGA023003	Ankpa	16,977	15,587	91.82	16,860	99.32	16,976	100.00	16,977	100.00
NGA023004	Bassa	8,909	5,924	66.49	7,550	84.74	8,253	92.64	8,720	97.88
NGA023005	Dekina	16,644	14,124	84.85	16,152	97.04	16,556	99.47	16,639	99.97
NGA023006	Ibaji	8,136	3,782	46.48	6,871	84.45	7,626	93.73	7,956	97.78
NGA023007	Idah	5,087	5,087	100.00	5,087	100.00	5,087	100.00	5,087	100.00
NGA023008	Igalamela-Odolu	9,379	6,286	67.02	8,513	90.77	9,026	96.24	9,227	98.38
NGA023009	Ijumu	7,564	6,237	82.46	7,316	96.72	7,516	99.37	7,563	99.99
NGA023010	Kabba/Bunu	9,221	5,819	63.11	7,077	76.75	7,901	85.69	8,453	91.67
NGA023011	Kogi	7,341	4,980	67.83	6,491	88.42	7,027	95.73	7,281	99.18
NGA023012	Lokoja	12,542	5,605	44.69	8,872	70.74	10,592	84.45	11,608	92.56
NGA023013	Mopa-Muro	2,791	1,409	50.48	1,898	67.99	2,248	80.55	2,475	88.66
NGA023014	Ofu	12,212	10,217	83.66	11,916	97.58	12,188	99.80	12,204	99.93
NGA023015	Ogori/Mangongo	2,539	2,498	98.38	2,539	100.00	2,539	100.00	2,539	100.00
NGA023016	Okehi	14,259	9,917	69.55	12,348	86.59	13,262	93.00	13,598	95.36
NGA023017	Okene	20,768	19,936	95.99	20,730	99.82	20,768	100.00	20,768	100.00
NGA023018	Olamabolo	10,108	9,324	92.24	10,062	99.54	10,101	99.92	10,108	100.00
NGA023019	Omala	6,886	3,969	57.64	6,055	87.93	6,586	95.64	6,765	98.23
NGA023020	Yagba East	9,416	5,871	62.35	7,338	77.93	8,032	85.29	8,409	89.30
NGA023021	Yagba West	8,925	4,617	51.74	5,870	65.77	6,602	73.98	7,154	80.16
<b>Kogi State</b>		211,367	160,486	75.93	190,300	90.03	200,213	94.72	205,142	97.05
<b>Both States</b>		347,685	292,712	84.19	326,318	93.85	336,450	96.77	341,456	98.21

### Facilities part of the 1st phase and those presenting at least one attended delivery over the 12 months preceding the HFA

LGA Code	LGA Name	Pregancies 2015	1 hour		2 hours		3 hours		4 hours	
			Nbr	%	Nbr	%	Nbr	%	Nbr	%
NGA011001	Abakaliki	9,373	9,370	99.97	9,373	100.00	9,373	100.00	9,373	100.00
NGA011002	Afikpo North	9,809	9,725	99.15	9,809	100.00	9,809	100.00	9,809	100.00
NGA011003	Afikpo South	9,865	8,961	90.84	9,822	99.56	9,865	100.00	9,865	100.00
NGA011004	Ebonyi	7,967	7,931	99.55	7,967	100.00	7,967	100.00	7,967	100.00
NGA011005	Ezza North	9,152	9,035	98.72	9,152	100.00	9,152	100.00	9,152	100.00
NGA011006	Ezza South	8,367	8,281	98.97	8,367	100.00	8,367	100.00	8,367	100.00
NGA011007	Ikwo	13,461	13,078	97.16	13,461	100.00	13,461	100.00	13,461	100.00
NGA011008	Ishielu	9,554	8,804	92.14	9,384	98.21	9,474	99.16	9,551	99.96
NGA011009	Ivo	7,600	7,198	94.71	7,552	99.38	7,600	100.00	7,600	100.00
NGA011010	Izzi	14,821	14,442	97.45	14,813	99.95	14,821	100.00	14,821	100.00
NGA011011	Ohaozara	9,287	8,998	96.88	9,278	99.90	9,287	100.00	9,287	100.00
NGA011012	Ohaukwu	12,245	12,194	99.58	12,245	100.00	12,245	100.00	12,245	100.00
NGA011013	Onicha	14,816	14,682	99.09	14,815	99.99	14,816	100.00	14,816	100.00

<b>Ebonyi State</b>	136,318	132,699	97.35	136,039	99.80	136,237	99.94	136,314	100.00
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LGA Code	LGA Name	Pregancies 2015	1 hour		2 hours		3 hours		4 hours	
			Nbr	%	Nbr	%	Nbr	%	Nbr	%
NGA023001	Adavi	13,854	12,787	92.30	13,544	97.76	13,739	99.17	13,845	99.93
NGA023002	Ajaokuta	7,809	6,549	83.86	7,222	92.49	7,596	97.28	7,768	99.47
NGA023003	Ankpa	16,977	16,081	94.73	16,934	99.75	16,977	100.00	16,977	100.00
NGA023004	Bassa	8,909	6,124	68.73	7,647	85.83	8,284	92.98	8,729	97.98
NGA023005	Dekina	16,644	14,980	90.00	16,330	98.11	16,608	99.78	16,643	99.99
NGA023006	Ibaji	8,136	5,037	61.91	7,139	87.74	7,694	94.57	8,003	98.36
NGA023007	Idah	5,087	5,087	100.00	5,087	100.00	5,087	100.00	5,087	100.00
NGA023008	Igalamela-Odolu	9,379	7,465	79.60	8,757	93.38	9,117	97.21	9,267	98.81
NGA023009	Ijumu	7,564	6,445	85.21	7,372	97.47	7,531	99.57	7,563	99.99
NGA023010	Kabba/Bunu	9,221	5,849	63.43	7,093	76.92	7,910	85.79	8,457	91.71
NGA023011	Kogi	7,341	5,121	69.76	6,551	89.23	7,056	96.11	7,291	99.32
NGA023012	Lokoja	12,542	5,732	45.71	8,953	71.38	10,632	84.77	11,626	92.70
NGA023013	Mopa-Muro	2,791	1,439	51.55	1,913	68.54	2,255	80.80	2,477	88.76
NGA023014	Ofu	12,212	10,819	88.59	11,995	98.22	12,196	99.86	12,206	99.95
NGA023015	Ogori/Mangongo	2,539	2,502	98.54	2,539	100.00	2,539	100.00	2,539	100.00
NGA023016	Okehi	14,259	9,937	69.69	12,351	86.61	13,265	93.03	13,599	95.37
NGA023017	Okene	20,768	19,939	96.01	20,732	99.83	20,768	100.00	20,768	100.00
NGA023018	Olamabolo	10,108	9,434	93.33	10,076	99.68	10,104	99.96	10,108	100.00
NGA023019	Omala	6,886	4,574	66.42	6,203	90.08	6,597	95.80	6,783	98.50
NGA023020	Yagba East	9,416	5,934	63.02	7,376	78.33	8,047	85.46	8,419	89.41
NGA023021	Yagba West	8,925	4,722	52.91	5,917	66.30	6,633	74.32	7,177	80.42

<b>Kogi State</b>	211,367	166,557	78.80	191,729	90.71	200,634	94.92	205,332	97.14
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<b>Both States</b>	347,685	299,256	86.07	327,768	94.27	336,871	96.89	341,646	98.26
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## Annex 6 - Accessibility coverage for CEmONC facilities

### Fully functional CEmONC facilities

LGA Code	LGA Name	Pregancies 2015	1 hour		2 hours		3 hours		4 hours	
			Nbr	%	Nbr	%	Nbr	%	Nbr	%
NGA011001	Abakaliki	9,373	9,354	99.80	9,373	100.00	9,373	100.00	9,373	100.00
NGA011002	Afikpo North	9,809	1,059	10.80	9,761	99.51	9,809	100.00	9,809	100.00
NGA011003	Afikpo South	9,865	279	2.82	8,916	90.38	9,813	99.47	9,865	100.00
NGA011004	Ebonyi	7,967	7,503	94.18	7,966	100.00	7,967	100.00	7,967	100.00
NGA011005	Ezza North	9,152	8,538	93.30	9,152	100.00	9,152	100.00	9,152	100.00
NGA011006	Ezza South	8,367	7,483	89.43	8,358	99.88	8,367	100.00	8,367	100.00
NGA011007	Ikwo	13,461	11,821	87.81	13,452	99.94	13,461	100.00	13,461	100.00
NGA011008	Ishielu	9,554	7,302	76.43	9,287	97.20	9,440	98.81	9,529	99.74
NGA011009	Iwo	7,600	0	0.00	6,895	90.73	7,496	98.64	7,600	100.00
NGA011010	Izzi	14,821	11,329	76.44	14,780	99.72	14,821	100.00	14,821	100.00
NGA011011	Ohaozara	9,287	234	2.52	8,863	95.43	9,283	99.95	9,287	100.00
NGA011012	Ohaukwu	12,245	10,375	84.73	12,245	100.00	12,245	100.00	12,245	100.00
NGA011013	Onicha	14,816	7,052	47.59	14,792	99.84	14,816	100.00	14,816	100.00
<b>Ebonyi State</b>		136,318	82,330	60.40	133,840	98.18	136,044	99.80	136,293	99.98

LGA Code	LGA Name	Pregancies 2015	1 hour		2 hours		3 hours		4 hours	
			Nbr	%	Nbr	%	Nbr	%	Nbr	%
NGA023001	Adavi	13,854	12,493	90.17	13,512	97.53	13,732	99.12	13,840	99.90
NGA023002	Ajaokuta	7,809	5,598	71.69	6,953	89.04	7,392	94.67	7,687	98.44
NGA023003	Ankpa	16,977	15,212	89.61	16,849	99.25	16,972	99.97	16,977	100.00
NGA023004	Bassa	8,909	3,358	37.69	6,850	76.89	8,028	90.11	8,393	94.21
NGA023005	Dekina	16,644	13,212	79.38	16,035	96.34	16,523	99.27	16,633	99.93
NGA023006	Ibaji	8,136	0	0.00	2,470	30.36	6,474	79.57	7,520	92.43
NGA023007	Idah	5,087	0	0.00	5,085	99.97	5,087	100.00	5,087	100.00
NGA023008	Igalamela-Odolu	9,379	527	5.62	7,137	76.10	8,767	93.48	9,130	97.35
NGA023009	Ijumu	7,564	4,844	64.04	6,983	92.32	7,448	98.47	7,548	99.78
NGA023010	Kabba/Bunu	9,221	4,320	46.84	6,161	66.81	7,267	78.81	8,061	87.42
NGA023011	Kogi	7,341	2,748	37.43	5,822	79.31	6,760	92.08	7,163	97.57
NGA023012	Lokoja	12,542	4,865	38.79	6,816	54.35	9,574	76.34	10,967	87.44
NGA023013	Mopa-Muro	2,791	541	19.39	1,468	52.60	1,942	69.58	2,273	81.43
NGA023014	Ofu	12,212	8,262	67.65	11,554	94.61	12,149	99.48	12,199	99.89
NGA023015	Ogori/Mangongo	2,539	2,345	92.35	2,539	100.00	2,539	100.00	2,539	100.00
NGA023016	Okehi	14,259	9,508	66.68	12,103	84.88	13,169	92.35	13,538	94.94
NGA023017	Okene	20,768	19,011	91.54	20,658	99.47	20,768	100.00	20,768	100.00
NGA023018	Olamabolo	10,108	8,023	79.37	9,987	98.80	10,093	99.85	10,107	99.99
NGA023019	Omala	6,886	1,418	20.60	4,909	71.28	6,226	90.41	6,596	95.79
NGA023020	Yagba East	9,416	0	0.00	5,783	61.41	7,308	77.61	8,005	85.01
NGA023021	Yagba West	8,925	0	0.00	3,840	43.03	5,479	61.39	6,329	70.91
<b>Kogi State</b>		211,367	116,284	55.02	173,516	82.09	193,697	91.64	201,360	95.27
<b>Both States</b>		347,685	198,614	57.12	307,356	88.40	329,740	94.84	337,652	97.11

## Fully and partially functional CEMONC facilities part of the 1st phase of implementation of the MCSP

LGA Code	LGA Name	Pregancies 2015	1 hour		2 hours		3 hours		4 hours	
			Nbr	%	Nbr	%	Nbr	%	Nbr	%
NGA011001	Abakaliki	9,373	9,356	99.82	9,373	100.00	9,373	100.00	9,373	100.00
NGA011002	Afikpo North	9,809	9,680	98.68	9,809	100.00	9,809	100.00	9,809	100.00
NGA011003	Afikpo South	9,865	8,101	82.12	9,634	97.66	9,865	100.00	9,865	100.00
NGA011004	Ebonyi	7,967	7,884	98.96	7,967	100.00	7,967	100.00	7,967	100.00
NGA011005	Ezza North	9,152	8,964	97.95	9,152	100.00	9,152	100.00	9,152	100.00
NGA011006	Ezza South	8,367	7,867	94.02	8,365	99.97	8,367	100.00	8,367	100.00
NGA011007	Ikwo	13,461	11,884	88.28	13,453	99.94	13,461	100.00	13,461	100.00
NGA011008	Ishielu	9,554	8,239	86.23	9,340	97.76	9,447	98.87	9,536	99.80
NGA011009	Ivo	7,600	6,569	86.44	7,432	97.79	7,598	99.98	7,600	100.00
NGA011010	Izzi	14,821	13,732	92.65	14,795	99.83	14,821	100.00	14,821	100.00
NGA011011	Ohaozara	9,287	8,892	95.74	9,269	99.80	9,287	100.00	9,287	100.00
NGA011012	Ohaukwu	12,245	11,801	96.37	12,245	100.00	12,245	100.00	12,245	100.00
NGA011013	Onicha	14,816	14,218	95.96	14,813	99.98	14,816	100.00	14,816	100.00

<b>Ebonyi State</b>	136,318	127,187	93.30	135,646	99.51	136,209	99.92	136,299	99.99
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LGA Code	LGA Name	Pregancies 2015	1 hour		2 hours		3 hours		4 hours	
			Nbr	%	Nbr	%	Nbr	%	Nbr	%
NGA023001	Adavi	13,854	12,657	91.36	13,524	97.62	13,733	99.13	13,842	99.92
NGA023002	Ajaokuta	7,809	6,270	80.29	7,124	91.23	7,518	96.28	7,745	99.18
NGA023003	Ankpa	16,977	15,258	89.88	16,851	99.26	16,973	99.98	16,977	100.00
NGA023004	Bassa	8,909	5,780	64.87	7,487	84.04	8,233	92.41	8,715	97.82
NGA023005	Dekina	16,644	14,014	84.20	16,131	96.92	16,547	99.41	16,637	99.95
NGA023006	Ibaji	8,136	0	0.00	3,570	43.88	6,812	83.72	7,625	93.71
NGA023007	Idah	5,087	3,412	67.08	5,087	100.00	5,087	100.00	5,087	100.00
NGA023008	Igalamela-Odolu	9,379	4,414	47.07	7,567	80.68	8,888	94.77	9,176	97.84
NGA023009	Ijumu	7,564	6,214	82.16	7,311	96.66	7,515	99.35	7,563	99.99
NGA023010	Kabba/Bunu	9,221	5,317	57.66	6,740	73.09	7,652	82.98	8,302	90.03
NGA023011	Kogi	7,341	4,424	60.26	6,313	86.00	6,959	94.79	7,261	98.91
NGA023012	Lokoja	12,542	5,109	40.73	8,082	64.44	10,229	81.56	11,359	90.57
NGA023013	Mopa-Muro	2,791	1,396	50.02	1,889	67.67	2,236	80.13	2,462	88.22
NGA023014	Ofu	12,212	9,743	79.78	11,831	96.88	12,183	99.76	12,203	99.92
NGA023015	Ogori/Mangongo	2,539	2,469	97.27	2,539	100.00	2,539	100.00	2,539	100.00
NGA023016	Okehi	14,259	9,676	67.86	12,168	85.33	13,191	92.51	13,546	95.00
NGA023017	Okene	20,768	19,626	94.50	20,712	99.73	20,768	100.00	20,768	100.00
NGA023018	Olamabolo	10,108	8,379	82.90	10,010	99.03	10,095	99.87	10,108	100.00
NGA023019	Omala	6,886	3,960	57.50	6,055	87.93	6,586	95.64	6,764	98.22
NGA023020	Yagba East	9,416	5,871	62.35	7,338	77.93	8,032	85.29	8,409	89.30
NGA023021	Yagba West	8,925	4,617	51.74	5,870	65.77	6,602	73.98	7,154	80.16

<b>Kogi State</b>	211,367	148,605	70.31	184,198	87.15	198,378	93.85	204,241	96.63
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<b>Both States</b>	347,685	275,792	79.32	319,844	91.99	334,587	96.23	340,540	97.94
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**Fully and partially functional CEMONC facilities part of the 1st phase of implementation and the other partially functioning CEmONC facilities covered during the HFA and for which at least one attended delivery took place during the 12 months preceding the assessment**

LGA Code	LGA Name	Pregancies 2015	1 hour		2 hours		3 hours		4 hours	
			Nbr	%	Nbr	%	Nbr	%	Nbr	%
NGA011001	Abakaliki	9,373	9,357	99.83	9,373	100.00	9,373	100.00	9,373	100.00
NGA011002	Afikpo North	9,809	9,680	98.68	9,809	100.00	9,809	100.00	9,809	100.00
NGA011003	Afikpo South	9,865	8,119	82.30	9,635	97.67	9,865	100.00	9,865	100.00
NGA011004	Ebonyi	7,967	7,892	99.07	7,967	100.00	7,967	100.00	7,967	100.00
NGA011005	Ezza North	9,152	8,990	98.23	9,152	100.00	9,152	100.00	9,152	100.00
NGA011006	Ezza South	8,367	7,965	95.19	8,366	99.98	8,367	100.00	8,367	100.00
NGA011007	Ikwo	13,461	11,898	88.39	13,453	99.94	13,461	100.00	13,461	100.00
NGA011008	Ishielu	9,554	8,261	86.46	9,340	97.76	9,447	98.87	9,536	99.80
NGA011009	Ivo	7,600	6,883	90.58	7,486	98.51	7,600	100.00	7,600	100.00
NGA011010	Izzi	14,821	13,763	92.86	14,795	99.83	14,821	100.00	14,821	100.00
NGA011011	Ohaozara	9,287	8,894	95.76	9,269	99.80	9,287	100.00	9,287	100.00
NGA011012	Ohaukwu	12,245	12,091	98.74	12,245	100.00	12,245	100.00	12,245	100.00
NGA011013	Onicha	14,816	14,366	96.96	14,813	99.98	14,816	100.00	14,816	100.00

<b>Ebonyi State</b>	136,318	128,160	94.02	135,703	99.55	136,210	99.92	136,299	99.99
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LGA Code	LGA Name	Pregancies 2015	1 hour		2 hours		3 hours		4 hours	
			Nbr	%	Nbr	%	Nbr	%	Nbr	%
NGA023001	Adavi	13,854	12,659	91.37	13,524	97.62	13,733	99.13	13,842	99.92
NGA023002	Ajaokuta	7,809	6,270	80.29	7,124	91.23	7,518	96.28	7,745	99.18
NGA023003	Ankpa	16,977	15,261	89.89	16,853	99.27	16,976	100.00	16,977	100.00
NGA023004	Bassa	8,909	5,870	65.89	7,529	84.51	8,243	92.53	8,715	97.82
NGA023005	Dekina	16,644	14,020	84.23	16,134	96.93	16,550	99.43	16,637	99.96
NGA023006	Ibaji	8,136	4,742	58.28	7,066	86.85	7,661	94.16	7,978	98.06
NGA023007	Idah	5,087	5,073	99.73	5,087	100.00	5,087	100.00	5,087	100.00
NGA023008	Igalamela-Odolu	9,379	6,293	67.10	8,590	91.59	9,072	96.73	9,247	98.59
NGA023009	Ijumu	7,564	6,358	84.06	7,350	97.18	7,528	99.52	7,563	99.99
NGA023010	Kabba/Bunu	9,221	5,613	60.87	6,955	75.42	7,798	84.57	8,397	91.06
NGA023011	Kogi	7,341	4,446	60.57	6,324	86.15	6,959	94.79	7,261	98.91
NGA023012	Lokoja	12,542	5,289	42.18	8,603	68.60	10,459	83.39	11,520	91.86
NGA023013	Mopa-Muro	2,791	1,408	50.46	1,897	67.95	2,247	80.51	2,474	88.63
NGA023014	Ofu	12,212	10,243	83.87	11,905	97.48	12,184	99.76	12,203	99.92
NGA023015	Ogori/Mangongo	2,539	2,469	97.27	2,539	100.00	2,539	100.00	2,539	100.00
NGA023016	Okehi	14,259	9,692	67.97	12,168	85.33	13,191	92.51	13,546	95.00
NGA023017	Okene	20,768	19,626	94.50	20,712	99.73	20,768	100.00	20,768	100.00
NGA023018	Olamabolo	10,108	8,935	88.39	10,067	99.59	10,104	99.96	10,108	100.00
NGA023019	Omala	6,886	3,960	57.50	6,055	87.93	6,586	95.64	6,764	98.23
NGA023020	Yagba East	9,416	5,911	62.78	7,361	78.18	8,035	85.33	8,410	89.31
NGA023021	Yagba West	8,925	4,617	51.74	5,870	65.77	6,602	73.98	7,154	80.16

<b>Kogi State</b>	211,367	158,756	75.11	189,713	89.76	199,841	94.55	204,935	96.96
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<b>Both States</b>	347,685	286,916	82.52	325,417	93.60	336,051	96.65	341,234	98.14
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## Annex 7 - Travel time from each BEmONC facility and the nearest CEmONC facility considering all the 120 facilities part of the 1st phase of implementation of the MCSP and taking into account the current availability of a motorized vehicle and communication media on site

### State of Ebonyi

BEmONC facility code	Facility name	EmONC Status	Functioning motorized vehicle at BEmONC site	Functioning phone (landline and/or Cell) available at BEmONC site	Code of the nearest CEmONC facility	Name of the nearest CEmONC	CEmONC facility status	Functioning motorized vehicle available at nearest CEmONC site	Functioning phone (landline and/or Cell) available at CEmONC site	Travel time to the nearest CEmONC facility if motorized vehicle available at BEmONC site (min)	Code of the nearest facility with functioning motor vehicle and phone (landline/cell)	Name of the nearest facility with functioning motor vehicle and phone (landline/cell)	EmONC Status of the facility	Travel time between this facility and the BEmONC facility (min)	Final estimated travel time for the referral (min)
12307326	Mile 4 Hospital	Partially functional CEmONC	Yes	Yes	12307326	Mile 4 Hospital	Partially functional CEmONC	Yes	Yes	0	12305325	Ezza Mbo General Hospital	Not functional	8.4	0.0
12908329	Maternisericodiae Hospital	Partially functional CEmONC	Yes	Yes	12908329	Maternisericodiae Hospital	Partially functional CEmONC	Yes	Yes	0	12712317	Okposi General Hospital	Partially functional CEmONC	28.7	0.0
12712317	Okposi General Hospital	Partially functional CEmONC	Yes	Yes	12712317	Okposi General Hospital	Partially functional CEmONC	Yes	Yes	0	12813319	Onicha General Hospital	Partially functional BEmONC	10.5	0.0
12204332	Offiaoji Health Centre	Partially functional CEmONC	Yes	Yes	12204332	Offiaoji Health Centre	Partially functional CEmONC	Yes	Yes	0	13301324	Ikoko General Hospital	Partially functional BEmONC	51.2	0.0
13104322	Umuezeokoha General Hospital	Partially functional CEmONC	Yes	No	13104322	Umuezeokoha General Hospital	Partially functional CEmONC	Yes	No	0	12305325	Ezza Mbo General Hospital	Not functional	17.4	0.0
12305339	Abakaliki Federal Teaching Hospital	Fully functional CEmONC	Yes	No	12305339	Abakaliki Federal Teaching Hospital	Fully functional CEmONC	Yes	No	0	12307326	Mile 4 Hospital	Partially functional CEmONC	7.0	0.0
12511327	Rural Improvement Mission Hospital	Fully functional CEmONC	Yes	No	12511327	Rural Improvement Mission Hospital	Fully functional CEmONC	Yes	No	0	12204332	Offiaoji Health Centre	Partially functional CEmONC	27.9	0.0
13309331	Sudan United Mission Hospital	Partially functional CEmONC	Yes	No	13309331	Sudan United Mission Hospital	Partially functional CEmONC	Yes	No	0	12307333	Unique Clinic	Partially functional CEmONC	27.0	0.0
12714328	Uburu Presbyterian Joint Hospital	Partially functional CEmONC	No	Yes	12714328	Uburu Presbyterian Joint Hospital	Partially functional CEmONC	No	Yes	0	12712317	Okposi General Hospital	Partially functional CEmONC	13.6	0.0
13309330	St Vincent (Ndubia)	Fully functional CEmONC	No	No	13309330	St Vincent (Ndubia)	Fully functional CEmONC	No	No	0	13301324	Ikoko General Hospital	Partially functional BEmONC	18.0	0.0
12209322	Ephuenyim Health Centre	Fully functional BEmONC	Yes	No	12204332	Offiaoji Health Centre	Partially functional CEmONC	Yes	Yes	11.2	12204332	Offiaoji Health Centre	Partially functional CEmONC	11.2	11.2
12813319	Onicha General Hospital	Partially functional BEmONC	Yes	Yes	12712317	Okposi General Hospital	Partially functional CEmONC	Yes	Yes	10.5	12712317	Okposi General Hospital	Partially functional CEmONC	10.5	10.5
12506255	Ettam Health Centre	Partially functional BEmONC	Yes	Yes	12712317	Okposi General Hospital	Partially functional CEmONC	Yes	Yes	39.5	12403336	Christian Mission Hospital	Not functional	28.6	39.5
12503337	Holy Trinity & Motherless Babies Home	Partially functional BEmONC	Yes	Yes	13309331	Sudan United Mission Hospital	Partially functional CEmONC	Yes	No	27.1	12307333	Unique Clinic	Partially functional CEmONC	0.2	27.1
12615316	Ishiagu General Hospital	Partially functional BEmONC	Yes	Yes	12714328	Uburu Presbyterian Joint Hospital	Partially functional CEmONC	No	Yes	37.8	12613338	Crush Rock Medical Clinic	Partially functional BEmONC	22.6	37.8
13301324	Ikoko General Hospital	Partially functional BEmONC	Yes	Yes	13309330	St Vincent (Ndubia)	Fully functional CEmONC	No	No	18.0	12307326	Mile 4 Hospital	Partially functional CEmONC	28.7	18.0
12305325	Ezza Mbo General Hospital	Not functional	Yes	Yes	12307326	Mile 4 Hospital	Partially functional CEmONC	Yes	Yes	8.4	12307326	Mile 4 Hospital	Partially functional CEmONC	8.4	8.4
12403364	Nguzu Health centre	Not functional	Yes	Yes	12712317	Okposi General Hospital	Partially functional CEmONC	Yes	Yes	30.0	12712317	Okposi General Hospital	Partially functional CEmONC	30.0	30.0
12902320	Itim-Ukwu General Hospital	Partially functional BEmONC	Yes	No	12908329	Maternisericodiae Hospital	Partially functional CEmONC	Yes	Yes	17.6	12908329	Maternisericodiae Hospital	Partially functional CEmONC	17.8	17.6
12506249	Echialike Millennium Development Goal	Partially functional BEmONC	Yes	No	12511327	Rural Improvement Mission Hospital	Fully functional CEmONC	Yes	No	11.1	12201313	Elinwobu General Hospital	Partially functional BEmONC	25.0	11.1
12403318	Onueke General Hospital	Partially functional BEmONC	Yes	No	12305339	Abakaliki Federal Teaching Hospital	Fully functional CEmONC	Yes	No	22.5	12403336	Christian Mission Hospital	Not functional	2.6	22.5
13010321	Dwurto Edda General Hospital	Not functional	Yes	No	12712317	Okposi General Hospital	Partially functional CEmONC	Yes	Yes	24.0	12403364	Nguzu Health centre	Not functional	8.5	24.0
12204331	Asuffa-Edda Health Centre	Partially functional BEmONC	No	Yes	12204332	Offiaoji Health Centre	Partially functional CEmONC	Yes	Yes	7.7	12204332	Offiaoji Health Centre	Partially functional CEmONC	7.7	15.4
12303334	Amasiri Primary Health Centre	Partially functional BEmONC	No	Yes	12908329	Maternisericodiae Hospital	Partially functional CEmONC	Yes	Yes	13.7	12908329	Maternisericodiae Hospital	Partially functional CEmONC	13.7	27.3
12304333	Nkagbogo MDG Health Centre	Partially functional BEmONC	No	Yes	12908329	Maternisericodiae Hospital	Partially functional CEmONC	Yes	Yes	26.2	12403364	Nguzu Health centre	Not functional	20.4	46.7
12403335	Ekoli Health centre	Partially functional BEmONC	No	Yes	12712317	Okposi General Hospital	Partially functional CEmONC	Yes	Yes	32.4	12403364	Nguzu Health centre	Not functional	4.9	37.2
12307227	Ntizi Aba Health Centre	Not functional	No	Yes	12307326	Mile 4 Hospital	Partially functional CEmONC	Yes	Yes	3.8	12307326	Mile 4 Hospital	Partially functional CEmONC	3.8	7.6
12201219	Izui Unuhu Health Centre	Partially functional BEmONC	No	Yes	12305339	Abakaliki Federal Teaching Hospital	Fully functional CEmONC	Yes	No	7.7	12307326	Mile 4 Hospital	Partially functional CEmONC	10.4	18.1
12506253	Enyibichiri Model Health Centre	Partially functional BEmONC	No	Yes	12511327	Rural Improvement Mission Hospital	Fully functional CEmONC	Yes	No	10.2	12204332	Offiaoji Health Centre	Partially functional CEmONC	21.9	32.1
12307234	Okaria Health Centre	Partially functional BEmONC	No	Yes	12305339	Abakaliki Federal Teaching Hospital	Fully functional CEmONC	Yes	No	15.9	12307326	Mile 4 Hospital	Partially functional CEmONC	19.0	34.9
12802341	Ikemiy Millennium Development Goals	Partially functional BEmONC	No	Yes	12305339	Abakaliki Federal Teaching Hospital	Fully functional CEmONC	Yes	No	18.5	13301324	Ikoko General Hospital	Partially functional BEmONC	13.1	31.6
12506257	Effemgbagbu Millennium Development Goal	Partially functional BEmONC	No	Yes	12511327	Rural Improvement Mission Hospital	Fully functional CEmONC	Yes	No	25.0	12201313	Elinwobu General Hospital	Partially functional BEmONC	23.3	48.3
12307230	Mbeke Health Centre	Partially functional BEmONC	No	Yes	13309331	Sudan United Mission Hospital	Partially functional CEmONC	Yes	No	28.7	12503337	Holy Trinity & Motherless Babies Home	Partially functional BEmONC	1.7	30.4
12801342	Nwofe Primary Health Centre	Partially functional BEmONC	No	Yes	12305339	Abakaliki Federal Teaching Hospital	Fully functional CEmONC	Yes	No	31.2	13301324	Ikoko General Hospital	Partially functional BEmONC	24.2	55.4
12506259	Ndiagu Amagu Millennium Development Goal	Partially functional BEmONC	No	Yes	12511327	Rural Improvement Mission Hospital	Fully functional CEmONC	Yes	No	43.5	12506255	Ettam Health Centre	Partially functional BEmONC	17.1	60.6
12801346	Okwanka Primary Health Centre	Not functional	No	Yes	13309331	Sudan United Mission Hospital	Partially functional CEmONC	Yes	No	7.3	12307333	Unique Clinic	Partially functional CEmONC	27.0	34.3
12701339	Okue Health Centre	Partially functional BEmONC	No	Yes	12714328	Uburu Presbyterian Joint Hospital	Partially functional CEmONC	No	Yes	38.0	12615316	Ishiagu General Hospital	Partially functional BEmONC	5.5	43.5
12802340	Nweneziny Primary Health Centre	Partially functional BEmONC	No	Yes	12909330	St Vincent (Ndubia)	Fully functional CEmONC	No	No	5.3	13301324	Ikoko General Hospital	Partially functional BEmONC	17.5	22.8
12801343	Izikhoma Primary Health Centre	Partially functional BEmONC	No	Yes	13309330	St Vincent (Ndubia)	Fully functional CEmONC	No	No	27.2	13301324	Ikoko General Hospital	Partially functional BEmONC	20.6	47.8
122012110	Mgbabeluzor Health Centre	Partially functional BEmONC	No	Yes	13309330	St Vincent (Ndubia)	Fully functional CEmONC	No	No	27.3	12204332	Offiaoji Health Centre	Partially functional CEmONC	27.5	54.8
12802344	Ezza Ofu Primary Health Centre	Partially functional BEmONC	No	Yes	13309330	St Vincent (Ndubia)	Fully functional CEmONC	No	No	34.7	13301324	Ikoko General Hospital	Partially functional BEmONC	17.3	52.0

## Nigeria - Accessibility to EmONC facilities for the States of Ebonyi and Kogi

BEmONC facility code	Facility name	EmONC Status	Functioning motorized vehicle at BEmONC site	Functioning phone (landline and/or Cell) available at BEmONC site	Code of the nearest CEmONC facility	Name of the nearest CEmONC	CEmONC facility status	Functioning motorized vehicle available at nearest CEmONC site	Functioning phone (landline and/or Cell) available at CEmONC site	Travel time to the nearest CEmONC facility if motorized vehicle available at BEmONC site (min)	Code of the nearest facility with functioning motor vehicle and phone (landline/cell)	Name of the nearest facility with functioning motor vehicle and phone (landline/cell)	EmONC Status of the facility	Travel time between this facility and the BEmONC facility (min)	Final estimated travel time for the referral (min)
12714279	Ojiwe Health Centre	Partially functional BEmONC	No	Unknown	12714328	Uburu Presbyterian Joint Hospital	Partially functional CEmONC	No	Yes	10.9	12712317	Okposi General Hospital	Partially functional CEmONC	12.3	53.1
12712278	Umuakwuna Health Centre	Partially functional BEmONC	No	No	12712317	Okposi General Hospital	Partially functional CEmONC	Yes	Yes	5.9	12712317	Okposi General Hospital	Partially functional CEmONC	5.9	41.8
12305226	Ugbodo Health Centre	Partially functional BEmONC	No	No	12307326	Mile 4 Hospital	Partially functional CEmONC	Yes	Yes	27.3	12307326	Mile 4 Hospital	Partially functional CEmONC	27.3	84.6
12511248	Odeligbo Health Centre	Partially functional BEmONC	No	No	12712317	Okposi General Hospital	Partially functional CEmONC	Yes	Yes	32.5	12506255	Ettam Health Centre	Partially functional BEmONC	15.9	78.3
12602338	Nkalaha Health Centre	Partially functional BEmONC	No	No	12307326	Mile 4 Hospital	Partially functional CEmONC	Yes	Yes	45.9	12306325	Ezza Mgbu General Hospital	Not functional	37.5	113.3
12403246	Onueke Maternal and Child Health	Partially functional BEmONC	No	No	12305339	Abakaliki Federal Teaching Hospital	Fully functional CEmONC	Yes	No	21.4	12403336	Christian Mission Hospital	Not functional	3.8	55.2
12511334	Uzochi Clinic and Maternity Center	Partially functional BEmONC	No	No	12511327	Rural Improvement Mission Hospital	Fully functional CEmONC	Yes	No	21.5	12201313	Elinwobu General Hospital	Partially functional BEmONC	19.8	71.3
12511315	Igboji General Hospital	Partially functional BEmONC	No	No	12511327	Rural Improvement Mission Hospital	Fully functional CEmONC	Yes	No	24.1	12201313	Elinwobu General Hospital	Partially functional BEmONC	22.4	76.5
12403244	Ezzama Millennium Development Goal	Partially functional BEmONC	No	No	12305339	Abakaliki Federal Teaching Hospital	Fully functional CEmONC	Yes	No	28.3	12403336	Christian Mission Hospital	Not functional	7.0	65.3
12305231	Ohagelode Health Centre	Partially functional BEmONC	No	No	13309331	Sudan United Mission Hospital	Partially functional CEmONC	Yes	No	28.7	12503337	Holy Trinity & Motherless Babies Home	Partially functional BEmONC	8.0	66.7
12404238	Amana Millennium Development Goal	Partially functional BEmONC	No	No	12305339	Abakaliki Federal Teaching Hospital	Fully functional CEmONC	Yes	No	28.9	12201313	Elinwobu General Hospital	Partially functional BEmONC	14.0	72.9
12504258	Odumowo Millennium Development Goal	Not functional	No	No	12511327	Rural Improvement Mission Hospital	Fully functional CEmONC	Yes	No	18.0	12201313	Elinwobu General Hospital	Partially functional BEmONC	40.9	88.9
12403243	Amuzu Health Centre	Not functional	No	No	12305339	Abakaliki Federal Teaching Hospital	Fully functional CEmONC	Yes	No	18.3	12403336	Christian Mission Hospital	Not functional	3.2	51.5
12802345	Iziogo Primary Health Centre	Not functional	No	No	13309331	Sudan United Mission Hospital	Partially functional CEmONC	Yes	No	19.3	12307333	Unique Clinic	Partially functional CEmONC	18.1	67.4
12708281	Obiozara Health Centre	Partially functional BEmONC	No	No	12714328	Uburu Presbyterian Joint Hospital	Partially functional CEmONC	No	Yes	6.5	12712317	Okposi General Hospital	Partially functional CEmONC	9.0	45.5
12610270	Iyioji Health Centre	Partially functional BEmONC	No	No	12714328	Uburu Presbyterian Joint Hospital	Partially functional CEmONC	No	Yes	32.5	12613338	Crush Rock Medical Clinic	Partially functional BEmONC	4.6	67.1
12602289	Amagu ihie Health Centre	Partially functional BEmONC	No	No	12714328	Uburu Presbyterian Joint Hospital	Partially functional CEmONC	No	Yes	38.9	12615316	Ishiagu General Hospital	Partially functional BEmONC	2.3	71.1
12613267	Ameze Health Centre	Partially functional BEmONC	No	No	12714328	Uburu Presbyterian Joint Hospital	Partially functional CEmONC	No	Yes	41.8	12615316	Ishiagu General Hospital	Partially functional BEmONC	4.4	76.2

## State of Kogi

BEmONC facility code	Facility name	EmONC Status	Functioning motorized vehicle at BEmONC site	Functioning phone (landline and/or Cell) available at BEmONC site	Code of the nearest CEmONC facility	Name of the nearest CEmONC	CEmONC facility status	Functioning motorized vehicle available at nearest CEmONC site	Functioning phone (landline and/or Cell) available at CEmONC site	Travel time to the nearest CEmONC facility if motorized vehicle available at BEmONC site (min)	Code of the nearest facility with functioning motor vehicle and phone (landline/cell)	Name of the nearest facility with functioning motor vehicle and phone (landline/cell)	Name of the nearest facility with functioning motor vehicle and phone (landline/cell)	Travel time between this facility and the BEmONC facility (min)	Final estimated travel time for the referral (min)
22122207	Itedo-Irunda General Hospital (Isanlu General Hospital)	Partially functional CEmONC	Yes	Yes	22122207	Itedo-Irunda General Hospital (Isanlu General Hospital)	Partially functional CEmONC	Yes	Yes	0	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	29.4	0.0
21022135	Holly Memorial Hospital	Partially functional CEmONC	Yes	Yes	21022135	Holly Memorial Hospital	Partially functional CEmONC	Yes	Yes	0	20423163	Enweke-Opada Cottage Hospital	Partially functional BEmONC	21.3	0.0
20205349	Ajaokuta Medical Centre	Partially functional CEmONC	Yes	Yes	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	Yes	Yes	0	21022135	Holly Memorial Hospital	Partially functional CEmONC	52.4	0.0
21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	Yes	Yes	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	Yes	Yes	0	22122207	Itedo-Irunda General Hospital (Isanlu General Hospital)	Partially functional CEmONC	29.5	0.0
21106020	Okengwe General Hospital	Partially functional CEmONC	Yes	No	21106020	Okengwe General Hospital	Partially functional CEmONC	Yes	No	0	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	48.9	0.0
20715180	Koton Karfe General Hospital	Partially functional CEmONC	Yes	No	20715180	Koton Karfe General Hospital	Partially functional CEmONC	Yes	No	0	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	64.1	0.0
21106199	Okene Zonal Hospital	Partially functional CEmONC	Yes	No	21106199	Okene Zonal Hospital	Partially functional CEmONC	Yes	No	0	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	44.9	0.0
20411159	Egume General Hospital	Partially functional CEmONC	Yes	No	20411159	Egume General Hospital	Partially functional CEmONC	Yes	No	0	21022135	Holly Memorial Hospital	Partially functional CEmONC	25.6	0.0
20322155	Ankpa Zonal Hospital (Ankpa General Hospital)	Fully functional CEmONC	No	Yes	20322155	Ankpa Zonal Hospital (Ankpa General Hospital)	Fully functional CEmONC	No	Yes	0	21919201	Okpo General Hospital	Not functional	25.7	0.0
20419133	Grimard Hospital	Fully functional CEmONC	No	Yes	20419133	Grimard Hospital	Fully functional CEmONC	No	Yes	0	21022135	Holly Memorial Hospital	Partially functional CEmONC	18.8	0.0
20901189	Mopa General Hospital	Partially functional CEmONC	No	Yes	20901189	Mopa General Hospital	Partially functional CEmONC	No	Yes	0	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	16.5	0.0
20601134	St. John's Catholic Hospital,	Partially functional CEmONC	No	Yes	20601134	St. John's Catholic Hospital,	Partially functional CEmONC	No	Yes	0	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	17.2	0.0
22024022	Abejokolo-1 General Hospital	Partially functional CEmONC	No	Yes	22024022	Abejokolo-1 General Hospital	Partially functional CEmONC	No	Yes	0	21519139	Sheria Catholic Mission Hospital	Partially functional BEmONC	74.1	0.0
20309147	Universal Hospital (Bethel Hospital)	Partially functional CEmONC	No	Yes	20309147	Universal Hospital (Bethel Hospital)	Partially functional CEmONC	No	Yes	0	21919201	Okpo General Hospital	Not functional	22.2	0.0
20815181	Kogi State Specialist Hospital	Fully functional CEmONC	No	No	20815181	Kogi State Specialist Hospital	Fully functional CEmONC	No	No	0	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	36.9	0.0
20825210	Lokoja Federal Medical Centre	Fully functional CEmONC	No	No	20825210	Lokoja Federal Medical Centre	Fully functional CEmONC	No	No	0	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	37.7	0.0
21809197	Obangede General Hospital	Fully functional CEmONC	No	No	21809197	Obangede General Hospital	Fully functional CEmONC	No	No	0	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	42.5	0.0
21216136	Yagba West Evangelical Church of West Africa (ECWA) Hospital, Egbe	Partially functional CEmONC	No	No	21216136	Yagba West Evangelical Church of West Africa (ECWA) Hospital, Egbe	Partially functional CEmONC	No	No	0	22122207	Itedo-Irunda General Hospital (Isanlu General Hospital)	Partially functional CEmONC	33.6	0.0
20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CEmONC	No	No	20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CEmONC	No	No	0	21519139	Sheria Catholic Mission Hospital	Partially functional BEmONC	27.2	0.0
22116205	Ife Olukotun Cottage Hospital	Partially functional CEmONC	No	No	22116205	Ife Olukotun Cottage Hospital	Partially functional CEmONC	No	No	0	21301173	Iyamoye General Hospital	Partially functional CEmONC	27.5	0.0
21519140	Ijumu Evangelical Church of West Africa (ECWA) Clinic, Akakana	Partially functional CEmONC	No	No	21519140	Ijumu Evangelical Church of West Africa (ECWA) Clinic, Akakana	Partially functional CEmONC	No	No	0	21519139	Sheria Catholic Mission Hospital	Partially functional BEmONC	16.0	0.0

## Nigeria - Accessibility to EmONC facilities for the States of Ebonyi and Kogi

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21519139	Sheria Catholic Mission Hospital	Partially functional BEmONC	Yes	Yes	21519140	Ijumu Evangelical Church of West Africa (ECWA) Clinic, Akakana	Partially functional CEmONC	No	No	16.0	20423163	Emewe-Opada Cottage Hospital	Partially functional BEmONC	59.7	16.0
21919201	Okpo General Hospital	Not functional	Yes	Yes	20309147	Universal Hospital (Bethel Hospital)	Partially functional CEmONC	No	Yes	22.2	21022135	Holly Memorial Hospital	Partially functional CEmONC	57.8	22.2
21706196	Ogori General Hospital	Partially functional BEmONC	Yes	No	21106020	Okengwe General Hospital	Partially functional CEmONC	Yes	No	17.8	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	65.6	17.8
20710084	Okpareke Primary Health Centre	Partially functional BEmONC	Yes	No	20715180	Koton Karfe General Hospital	Partially functional CEmONC	Yes	No	10.1	21519139	Sheria Catholic Mission Hospital	Partially functional BEmONC	61.3	10.1
21303172	Aiyetoro-Gede General Hospital	Partially functional BEmONC	No	Yes	21302137	Aiyetoro ECWA Hospital	Partially functional CEmONC	Yes	Yes	3.4	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	3.3	6.7
20514051	Egga Primary Health Centre	Partially functional BEmONC	No	Yes	21022135	Holly Memorial Hospital	Partially functional CEmONC	Yes	Yes	51.3	21022135	Holly Memorial Hospital	Partially functional CEmONC	51.3	102.6
21401360	Ichala Ajoide Primary Health Centre	Not functional	No	Yes	21022135	Holly Memorial Hospital	Partially functional CEmONC	Yes	Yes	68.5	21022135	Holly Memorial Hospital	Partially functional CEmONC	68.5	136.9
21005190	Ogwoilawo General Hospital	Not functional	No	Yes	21022135	Holly Memorial Hospital	Partially functional CEmONC	Yes	Yes	34.9	21022135	Holly Memorial Hospital	Partially functional CEmONC	34.9	69.8
20202356	Ogigiri Primary Health Centre	Partially functional BEmONC	No	Yes	21106199	Okene Zonal Hospital	Partially functional CEmONC	Yes	No	24.5	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	30.5	55.0
20203358	Apanko Primary Health Centre	Partially functional BEmONC	No	Yes	21106199	Okene Zonal Hospital	Partially functional CEmONC	Yes	No	33.9	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	38.3	72.3
20720081	Gegu Beki Primary Health Centre	Partially functional BEmONC	No	Yes	20715180	Koton Karfe General Hospital	Partially functional CEmONC	Yes	No	15.3	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	76.5	60.6
21005347	Ozuri Modern Primary Health Centre	Partially functional BEmONC	No	Yes	21106199	Okene Zonal Hospital	Partially functional CEmONC	Yes	No	7.3	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	44.5	44.6
20601065	Egbeda Maternal and Child Health Centre	Partially functional BEmONC	No	Yes	20601134	St. John's Catholic Hospital,	Partially functional CEmONC	No	Yes	7.5	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	24.5	32.0
20403359	Ajiole Abocho Model Primary Health Centre	Partially functional BEmONC	No	Yes	20419133	Grimard Hospital	Fully functional CEmONC	No	Yes	10.2	20423163	Emewe-Opada Cottage Hospital	Partially functional BEmONC	28.1	38.3
20403353	Anyingba Primary Health Centre	Not functional	No	Yes	20419133	Grimard Hospital	Fully functional CEmONC	No	Yes	1.3	21022135	Holly Memorial Hospital	Partially functional CEmONC	20.0	21.3
20419161	Kogi State University Teaching Hospital Aiyinba Medical Centre	Not functional	No	Yes	20419133	Grimard Hospital	Fully functional CEmONC	No	Yes	2.1	21022135	Holly Memorial Hospital	Partially functional CEmONC	17.0	19.1
20424034	Dekina Maternal and Child Health Clinic	Partially functional BEmONC	No	Yes	20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CEmONC	No	No	0.9	21519139	Sheria Catholic Mission Hospital	Partially functional BEmONC	27.9	28.8
20405354	Odu Ofugo Primary Health Centre	Partially functional BEmONC	No	Yes	20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CEmONC	No	No	15.0	20423163	Emewe-Opada Cottage Hospital	Partially functional BEmONC	33.2	48.2
20211008	Ajaokuta Primary Health Centre	Partially functional BEmONC	No	No	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	Yes	Yes	17.0	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	17.0	63.9
20507061	Angwa Primary Health Centre	Partially functional BEmONC	No	No	21022135	Holly Memorial Hospital	Partially functional CEmONC	Yes	Yes	50.5	21022135	Holly Memorial Hospital	Partially functional CEmONC	50.5	131.0
20601063	Iluke Primary Health Centre	Partially functional BEmONC	No	No	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	Yes	Yes	26.3	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	26.2	82.6
20505059	Ogane-Uge Primary Health Centre	Not functional	No	Unknown	21022135	Holly Memorial Hospital	Partially functional CEmONC	Yes	Yes	65.6	21022135	Holly Memorial Hospital	Partially functional CEmONC	65.6	181.3
20507052	Ateregoma Primary Health Centre	Not functional	No	No	21022135	Holly Memorial Hospital	Partially functional CEmONC	Yes	Yes	66.8	21022135	Holly Memorial Hospital	Partially functional CEmONC	66.8	183.5
21401355	Ottah Primary Health Centre	Not functional	No	No	21022135	Holly Memorial Hospital	Partially functional CEmONC	Yes	Yes	76.6	21022135	Holly Memorial Hospital	Partially functional CEmONC	76.6	189.1
20502171	Idah General Hospital	Not functional	No	No	21022135	Holly Memorial Hospital	Partially functional CEmONC	Yes	Yes	51.3	21022135	Holly Memorial Hospital	Partially functional CEmONC	51.3	132.6
20111005	Oziokutu Modern Primary Health Centre	Partially functional BEmONC	No	No	21106199	Okene Zonal Hospital	Partially functional CEmONC	Yes	No	4.2	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	40.9	68.3
20710077	Giriyari Primary Health Centre	Partially functional BEmONC	No	No	20715180	Koton Karfe General Hospital	Partially functional CEmONC	Yes	No	29.0	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	90.4	117.9
20204013	Petesi Primary Health Centre	Partially functional BEmONC	No	No	21106199	Okene Zonal Hospital	Partially functional CEmONC	Yes	No	22.7	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	33.3	86.0
20720078	Omoko Primary Health Centre	Partially functional BEmONC	No	No	20715180	Koton Karfe General Hospital	Partially functional CEmONC	Yes	No	19.7	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	81.0	99.5
20111153	Nagazi Comprehensive Health Centre	Not functional	No	No	21106199	Okene Zonal Hospital	Partially functional CEmONC	Yes	No	5.6	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	43.4	71.2
20204154	Adogo Cottage Hospital	Not functional	No	No	21106199	Okene Zonal Hospital	Partially functional CEmONC	Yes	No	26.0	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	32.4	88.4
20613072	Aiyede Bunu General Hospital	Partially functional BEmONC	No	No	20601134	St. John's Catholic Hospital,	Partially functional CEmONC	No	Yes	23.1	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	28.0	81.1
20300018	Ogodo Primary Health Centre (Ankpa)	Partially functional BEmONC	No	No	20322155	Ankpa Zonal Hospital (Ankpa General Hospital)	Fully functional CEmONC	No	Yes	9.3	21919201	Okpo General Hospital	Not functional	29.2	68.5
20613069	Oke-Ibukun Primary Health Centre	Partially functional BEmONC	No	No	20601134	St. John's Catholic Hospital,	Partially functional CEmONC	No	Yes	7.3	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	22.5	59.8
20301351	Ojoku Primary Health Centre	Not functional	No	No	20322155	Ankpa Zonal Hospital (Ankpa General Hospital)	Fully functional CEmONC	No	Yes	13.0	21919201	Okpo General Hospital	Not functional	35.9	78.9
20301352	Okenyi Primary Health Centre	Not functional	No	No	20309147	Universal Hospital (Bethel Hospital)	Partially functional CEmONC	No	Yes	14.9	21919201	Okpo General Hospital	Not functional	28.7	73.6
20608177	Kabba Zonal Hospital (Kabba General Hospital)	Not functional	No	No	20601134	St. John's Catholic Hospital,	Partially functional CEmONC	No	Yes	3.6	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	20.6	54.2
20825143	Obagana Life Gate Clinic	Partially functional BEmONC	No	No	20815181	Kogi State Specialist Hospital	Fully functional CEmONC	No	No	28.0	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	46.6	104.5
20419041	Orugo Maternal and Child Health Clinic	Not functional	No	No	20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CEmONC	No	No	15.0	20423163	Emewe-Opada Cottage Hospital	Partially functional BEmONC	33.2	78.2
20808186	Wokers Village Clinic	Not functional	No	No	20815181	Kogi State Specialist Hospital	Fully functional CEmONC	No	No	4.0	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	40.3	74.3

## Annex 8 - Travel time from each BEmONC facility and the nearest CEmONC facility considering all the 296 facilities that are either part of the 1st phase of implementation of the MCSP or have attended at least one delivery during the 12 months preceding the assessment and taking into account the current availability of a motorized vehicle and communication media on site

### State of Ebonyi

BEmONC facility code	BEmONC facility name	BEmONC facility status	Functioning motorized vehicle at BEmONC site	Functioning phone (landline and/or Cell) available at BEmONC site	Code of the nearest CEmONC facility	Name of the nearest CEmONC	CEmONC facility status	Functioning motorized vehicle available at nearest CEmONC site	Functioning phone (landline and/or Cell) available at CEmONC site	Travel time to the nearest CEmONC facility if motorized vehicle available at BEmONC site (min)	Code of the nearest facility with functioning motor vehicle and phone (landline/cell)	Name of the nearest facility with functioning motor vehicle and phone (landline/cell)	EmONC Status of the facility	Travel time between this facility and the BEmONC facility (min)	Final estimated travel time for the referral (min)
12908329	Materniseriodia Hospital	Partially functional CEmONC	Yes	Yes	12908329	Materniseriodia Hospital	Partially functional CEmONC	Yes	Yes	0.0	12712317	Okposi General Hospital	Partially functional CEmONC	28.7	0.0
12204332	Offiaoji Health Centre	Partially functional CEmONC	Yes	Yes	12204332	Offiaoji Health Centre	Partially functional CEmONC	Yes	Yes	0.0	13301324	iboko General Hospital	Partially functional BEmONC	51.2	0.0
12307326	Mile 4 Hospital	Partially functional CEmONC	Yes	Yes	12307326	Mile 4 Hospital	Partially functional CEmONC	Yes	Yes	0.0	12305325	Ezza Mgbo General Hospital	Not functional	8.4	0.0
12307333	Unique Clinic	Partially functional CEmONC	Yes	Yes	12307333	Unique Clinic	Partially functional CEmONC	Yes	Yes	0.0	12503337	Holy Trinity & Motherless Babies Home	Partially functional BEmONC	0.2	0.0
12712317	Okposi General Hospital	Partially functional CEmONC	Yes	Yes	12712317	Okposi General Hospital	Partially functional CEmONC	Yes	Yes	0.0	12813319	Onicha General Hospital	Partially functional BEmONC	10.5	0.0
12305339	Abakaliki Federal Teaching Hospital	Fully functional CEmONC	Yes	No	12305339	Abakaliki Federal Teaching Hospital	Fully functional CEmONC	Yes	No	0.0	12307326	Mile 4 Hospital	Partially functional CEmONC	7.0	0.0
12511327	Rural Improvement Mission Hospital	Fully functional CEmONC	Yes	No	12511327	Rural Improvement Mission Hospital	Fully functional CEmONC	Yes	No	0.0	12204332	Offiaoji Health Centre	Partially functional CEmONC	27.9	0.0
13104322	Umuezeokoha General Hospital	Partially functional CEmONC	Yes	No	13104322	Umuezeokoha General Hospital	Partially functional CEmONC	Yes	No	0.0	12305325	Ezza Mgbo General Hospital	Not functional	17.4	0.0
13309331	Sudan United Mission Hospital	Partially functional CEmONC	Yes	No	13309331	Sudan United Mission Hospital	Partially functional CEmONC	Yes	No	0.0	12307333	Unique Clinic	Partially functional CEmONC	27.0	0.0
12714328	Uburu Presbyterian Joint Hospital	Partially functional CEmONC	No	Yes	12714328	Uburu Presbyterian Joint Hospital	Partially functional CEmONC	No	Yes	0.0	12712317	Okposi General Hospital	Partially functional CEmONC	13.6	0.0
12201332	Mother Theresa Hospital	Partially functional CEmONC	No	Yes	12201332	Mother Theresa Hospital	Partially functional CEmONC	No	Yes	0.0	12307326	Mile 4 Hospital	Partially functional CEmONC	10.1	0.0
12610335	Nyeche Hospital	Partially functional CEmONC	No	Yes	12610335	Nyeche Hospital	Partially functional CEmONC	No	Yes	0.0	12615316	Ishiagu General Hospital	Partially functional BEmONC	3.0	0.0
12802301	Onicha Health Centre	Partially functional CEmONC	No	No	12802301	Onicha Health Centre	Partially functional CEmONC	No	No	0.0	12813319	Onicha General Hospital	Partially functional BEmONC	1.6	0.0
13309330	St Vincent (Ndubia)	Fully functional CEmONC	No	No	13309330	St Vincent (Ndubia)	Fully functional CEmONC	No	No	0.0	13301324	iboko General Hospital	Partially functional BEmONC	18.0	0.0
12403364	Nguzu Health centre	Not functional	Yes	Yes	12712317	Okposi General Hospital	Partially functional CEmONC	Yes	Yes	30.0	12712317	Okposi General Hospital	Partially functional CEmONC	30.0	30.0
12305325	Ezza Mgbo General Hospital	Not functional	Yes	Yes	12307326	Mile 4 Hospital	Partially functional CEmONC	Yes	Yes	8.4	12307326	Mile 4 Hospital	Partially functional CEmONC	8.4	8.4
12506255	Ettam Health Centre	Partially functional BEmONC	Yes	Yes	12712317	Okposi General Hospital	Partially functional CEmONC	Yes	Yes	39.5	12403336	Christian Mission Hospital	Not functional	28.6	39.5
12503337	Holy Trinity & Motherless Babies Home	Partially functional BEmONC	Yes	Yes	12307333	Unique Clinic	Partially functional CEmONC	Yes	Yes	0.2	12307333	Unique Clinic	Partially functional CEmONC	0.2	0.2
13206321	Agba General Hospital	Partially functional BEmONC	Yes	Yes	13104322	Umuezeokoha General Hospital	Partially functional CEmONC	Yes	Yes	19.4	12813319	Onicha General Hospital	Partially functional BEmONC	19.9	19.4
12403336	Christian Mission Hospital	Not functional	Yes	Yes	12201332	Mother Theresa Hospital	Partially functional CEmONC	No	Yes	19.7	12201313	Elinwobu General Hospital	Partially functional BEmONC	14.3	19.7
12615316	Ishiagu General Hospital	Partially functional BEmONC	Yes	Yes	12610335	Nyeche Hospital	Partially functional CEmONC	No	Yes	3.0	12613338	Crush Rock Medical Clinic	Partially functional BEmONC	22.6	3.0
12201313	Elinwobu General Hospital	Partially functional BEmONC	Yes	Yes	12201332	Mother Theresa Hospital	Partially functional CEmONC	No	Yes	13.4	12403336	Christian Mission Hospital	Not functional	14.3	13.4
12613338	Crush Rock Medical Clinic	Partially functional BEmONC	Yes	Yes	12610335	Nyeche Hospital	Partially functional CEmONC	No	Yes	24.1	12615316	Ishiagu General Hospital	Partially functional BEmONC	22.6	24.1
13301324	iboko General Hospital	Partially functional BEmONC	Yes	Yes	13309330	St Vincent (Ndubia)	Fully functional CEmONC	No	No	18.0	12307326	Mile 4 Hospital	Partially functional CEmONC	28.7	18.0
12813319	Onicha General Hospital	Partially functional BEmONC	Yes	Yes	12802301	Onicha Health Centre	Partially functional CEmONC	No	No	1.6	12712317	Okposi General Hospital	Partially functional CEmONC	10.5	1.6
12200222	Ighuanyim Health Centre	Fully functional BEmONC	Yes	No	12204332	Offiaoji Health Centre	Partially functional CEmONC	Yes	Yes	11.2	12204332	Offiaoji Health Centre	Partially functional CEmONC	11.2	11.2
13010321	Owutu Edda General Hospital	Not functional	Yes	No	12712317	Okposi General Hospital	Partially functional CEmONC	Yes	Yes	24.0	12403364	Nguzu Health centre	Not functional	8.5	24.0
12902320	Itim-Ukuru General Hospital	Partially functional BEmONC	Yes	No	12908329	Materniseriodia Hospital	Partially functional CEmONC	Yes	Yes	17.6	12908329	Materniseriodia Hospital	Partially functional CEmONC	17.8	17.6
12305314	Odomoko General Hospital	Partially functional BEmONC	Yes	No	12307326	Mile 4 Hospital	Partially functional CEmONC	Yes	Yes	19.1	12307326	Mile 4 Hospital	Partially functional CEmONC	19.1	19.1
12506249	Echialike Millennium Development Goal	Partially functional BEmONC	Yes	No	12511327	Rural Improvement Mission Hospital	Fully functional CEmONC	Yes	No	11.1	12201313	Elinwobu General Hospital	Partially functional BEmONC	25.0	11.1
12403338	Onuoke General Hospital	Partially functional BEmONC	Yes	No	12201332	Mother Theresa Hospital	Partially functional CEmONC	No	Yes	20.7	12403336	Christian Mission Hospital	Not functional	2.6	20.7
12207227	Nwesi Abia Health Centre	Not functional	No	Yes	12307326	Mile 4 Hospital	Partially functional CEmONC	Yes	Yes	3.9	12307326	Mile 4 Hospital	Partially functional CEmONC	3.9	7.6
12303334	Amasiri Primary Health Centre	Partially functional BEmONC	No	Yes	12908329	Materniseriodia Hospital	Partially functional CEmONC	Yes	Yes	13.7	12908329	Materniseriodia Hospital	Partially functional CEmONC	13.7	27.3
12403335	Ekoili Health centre	Partially functional BEmONC	No	Yes	12712317	Okposi General Hospital	Partially functional CEmONC	Yes	Yes	32.4	12403364	Nguzu Health centre	Not functional	4.9	37.2
12304333	Nkagbogo MDG Health Centre	Partially functional BEmONC	No	Yes	12908329	Materniseriodia Hospital	Partially functional CEmONC	Yes	Yes	26.2	12403364	Nguzu Health centre	Not functional	20.4	46.7
12307230	Mbeke Health Centre	Partially functional BEmONC	No	Yes	12307333	Unique Clinic	Partially functional CEmONC	Yes	Yes	1.8	12503337	Holy Trinity & Motherless Babies Home	Partially functional BEmONC	1.7	3.6
12204331	Azuoffia-Edda Health Centre	Partially functional BEmONC	No	Yes	12204332	Offiaoji Health Centre	Partially functional CEmONC	Yes	Yes	7.7	12204332	Offiaoji Health Centre	Partially functional CEmONC	7.7	15.4
12307225	Obobo Health Centre	Partially functional BEmONC	No	Yes	12307326	Mile 4 Hospital	Partially functional CEmONC	Yes	Yes	13.9	12307326	Mile 4 Hospital	Partially functional CEmONC	13.9	27.8
12307232	Edeideagu Millennium Development Goal	Partially functional BEmONC	No	Yes	12307333	Unique Clinic	Partially functional CEmONC	Yes	Yes	24.9	12503337	Holy Trinity & Motherless Babies Home	Partially functional BEmONC	24.6	49.5
12307237	Ukpachacha Health Centre	Partially functional BEmONC	No	Yes	12307333	Unique Clinic	Partially functional CEmONC	Yes	Yes	17.0	12307333	Unique Clinic	Partially functional CEmONC	17.0	34.0
12512621	Item Millennium Development Goals	Partially functional BEmONC	No	Yes	12712317	Okposi General Hospital	Partially functional CEmONC	Yes	Yes	44.2	12506255	Ettam Health Centre	Partially functional BEmONC	5.2	49.4
12801346	Okwanka Primary Health Centre	Not functional	No	Yes	13309331	Sudan United Mission Hospital	Partially functional CEmONC	Yes	No	7.3	12307333	Unique Clinic	Partially functional CEmONC	27.0	34.3
12201220	Unagboke Health Centre	Not functional	No	Yes	12305339	Abakaliki Federal Teaching Hospital	Fully functional CEmONC	Yes	No	5.6	12307326	Mile 4 Hospital	Partially functional CEmONC	9.9	15.4
12506254	Ndiagu Azu Millennium Development Goal	Not functional	No	Yes	12511327	Rural Improvement Mission Hospital	Fully functional CEmONC	Yes	No	13.7	12201313	Elinwobu General Hospital	Partially functional BEmONC	28.5	42.2
12506264	Obeagu Ekeke Health Centre	Not functional	No	Yes	12511327	Rural Improvement Mission Hospital	Fully functional CEmONC	Yes	No	30.1	12403336	Christian Mission Hospital	Not functional	19.6	49.7
12506253	Enyibichiri Model Health Centre	Partially functional BEmONC	No	Yes	12511327	Rural Improvement Mission Hospital	Fully functional CEmONC	Yes	No	10.2	12204332	Offiaoji Health Centre	Partially functional CEmONC	21.9	32.1
12506257	Effemgbagu Millennium Development Goal	Partially functional BEmONC	No	Yes	12511327	Rural Improvement Mission Hospital	Fully functional CEmONC	Yes	No	25.0	12201313	Elinwobu General Hospital	Partially functional BEmONC	23.3	48.3
12307234	Okaria Health Centre	Partially functional BEmONC	No	Yes	12305339	Abakaliki Federal Teaching Hospital	Fully functional CEmONC	Yes	No	15.9	12307326	Mile 4 Hospital	Partially functional CEmONC	19.0	34.9

## Nigeria - Accessibility to EmONC facilities for the States of Ebonyi and Kogi

BemONC facility code	BemONC facility name	BemONC facility status	Functioning motorized vehicle at BemONC site	Functioning phone (landline and/or Cell) available at BemONC site	Code of the nearest CemONC facility	Name of the nearest CemONC	CemONC facility status	Functioning motorized vehicle available at nearest CemONC site	Functioning phone (landline and/or Cell) available at CemONC site	Travel time to the nearest CemONC facility if motorized vehicle available at BemONC site (min)	Code of the nearest facility with functioning motor vehicle and phone (landline/cell)	Name of the nearest facility with functioning motor vehicle and phone (landline/cell)	EmONC Status of the facility	Travel time between this facility and the BemONC facility (min)	Final estimated travel time for the referral (min)
12506259	Ndiagu Amagu Millennium Development Goal	Partially functional BemONC	No	Yes	12511327	Rural Improvement Mission Hospital	Fully functional CemONC	Yes	No	43.5	12506255	Ettam Health Centre	Partially functional BemONC	17.1	60.6
12801342	Nwofe Primary Health Centre	Partially functional BemONC	No	Yes	12305339	Abakaliki Federal Teaching Hospital	Fully functional CemONC	Yes	No	31.2	13301324	Iboko General Hospital	Partially functional BemONC	24.2	55.4
12802341	Ikenyi Millennium Development Goals	Partially functional BemONC	No	Yes	12305339	Abakaliki Federal Teaching Hospital	Fully functional CemONC	Yes	No	18.5	13301324	Iboko General Hospital	Partially functional BemONC	13.1	31.6
12506265	Noyo Millennium Development Goal	Partially functional BemONC	No	Yes	12511327	Rural Improvement Mission Hospital	Fully functional CemONC	Yes	No	9.2	12201313	Elinwobu General Hospital	Partially functional BemONC	25.8	35.0
12307236	Ndiago Health Centre	Partially functional BemONC	No	Yes	13309331	Sudan United Mission Hospital	Partially functional CemONC	Yes	No	8.6	12307333	Unique Clinic	Partially functional CemONC	18.6	27.2
12201216	Edda Dispensary	Partially functional BemONC	No	Yes	12511327	Rural Improvement Mission Hospital	Fully functional CemONC	Yes	No	17.4	12201313	Elinwobu General Hospital	Partially functional BemONC	21.5	38.9
12613273	Nzerem Millennium Development Goals	Not functional	No	Yes	12610335	Nyeche Hospital	Partially functional CemONC	No	Yes	19.6	12613338	Crush Rock Medical Clinic	Partially functional BemONC	4.4	24.1
12701339	Okue Health Centre	Partially functional BemONC	No	Yes	12610335	Nyeche Hospital	Partially functional CemONC	No	Yes	7.8	12615316	Ishiagu General Hospital	Partially functional BemONC	5.5	13.3
12201219	Izzi Unuhu Health Centre	Partially functional BemONC	No	Yes	12201332	Mother Theresa Hospital	Partially functional CemONC	No	Yes	0.4	12307326	Mile 4 Hospital	Partially functional CemONC	10.4	10.8
12506252	Iniyimaga Ameka Health Centre	Partially functional BemONC	No	Yes	12201332	Mother Theresa Hospital	Partially functional CemONC	No	Yes	30.1	12403336	Christian Mission Hospital	Not functional	11.8	41.9
12715286	Umunaga Millennium Development Goal	Partially functional BemONC	No	Yes	12714328	Uburu Presbyterian Joint Hospital	Partially functional CemONC	No	Yes	8.2	12712317	Okposi General Hospital	Partially functional CemONC	19.3	27.5
12201213	Ikamaka Health Centre	Partially functional BemONC	No	Yes	12201332	Mother Theresa Hospital	Partially functional CemONC	No	Yes	14.8	12201313	Elinwobu General Hospital	Partially functional BemONC	5.5	20.4
12801343	Izokhoma Primary Health Centre	Partially functional BemONC	No	Yes	13309330	St Vincent (Ndubia)	Fully functional CemONC	No	No	27.2	13301324	Iboko General Hospital	Partially functional BemONC	20.6	47.8
12802340	Nwezanyi Primary Health Centre	Partially functional BemONC	No	Yes	13309330	St Vincent (Ndubia)	Fully functional CemONC	No	No	5.3	13301324	Iboko General Hospital	Partially functional BemONC	17.5	22.8
12802344	Ezza Ofu Primary Health Centre	Partially functional BemONC	No	Yes	13309330	St Vincent (Ndubia)	Fully functional CemONC	No	No	34.7	13301324	Iboko General Hospital	Partially functional BemONC	17.3	52.0
12201210	Mgbabeluzor Health Centre	Partially functional BemONC	No	Yes	13309330	St Vincent (Ndubia)	Fully functional CemONC	No	No	27.3	12204332	Offiaoji Health Centre	Partially functional CemONC	27.5	54.8
12201221	Okpuitumo Health Centre	Partially functional BemONC	No	Yes	13309330	St Vincent (Ndubia)	Fully functional CemONC	No	No	16.1	12204332	Offiaoji Health Centre	Partially functional CemONC	25.1	41.3
12714276	Umuka Millennium Development Goal	Partially functional BemONC	No	Unknown	12712317	Okposi General Hospital	Partially functional CemONC	Yes	Yes	7.4	12712317	Okposi General Hospital	Partially functional CemONC	7.4	44.8
12714279	Ojigwe Health Centre	Partially functional BemONC	No	Unknown	12714328	Uburu Presbyterian Joint Hospital	Partially functional CemONC	No	Yes	10.9	12712317	Okposi General Hospital	Partially functional CemONC	12.3	51.7
12714288	Ogbuoma Millennium Development Goal	Partially functional BemONC	No	Unknown	12714328	Uburu Presbyterian Joint Hospital	Partially functional CemONC	No	Yes	5.7	12712317	Okposi General Hospital	Partially functional CemONC	16.8	41.4
12814296	Mgbalaeze Comp Health Centre	Partially functional BemONC	No	Unknown	12802301	Onicha Health Centre	Partially functional CemONC	No	No	22.6	12813319	Onicha General Hospital	Partially functional BemONC	22.0	74.5
12802345	Iziogo Primary Health Centre	Not functional	No	No	12307333	Unique Clinic	Partially functional CemONC	Yes	Yes	18.1	12307333	Unique Clinic	Partially functional CemONC	18.1	66.2
12815303	Iinkwe Millennium Development Goal	Not functional	No	No	12712317	Okposi General Hospital	Partially functional CemONC	Yes	Yes	30.0	12506255	Ettam Health Centre	Partially functional BemONC	16.8	76.8
12815302	Azuabonyi Health Centre	Not functional	No	No	12712317	Okposi General Hospital	Partially functional CemONC	Yes	Yes	32.1	12403336	Christian Mission Hospital	Not functional	15.7	77.8
12602338	Nkalaha Health Centre	Partially functional BemONC	No	No	12307326	Mile 4 Hospital	Partially functional CemONC	Yes	Yes	45.9	12305325	Ezza Mbo General Hospital	Not functional	37.5	113.3
12511248	Odelligbo Health Centre	Partially functional BemONC	No	No	12712317	Okposi General Hospital	Partially functional CemONC	Yes	Yes	32.5	12506255	Ettam Health Centre	Partially functional BemONC	15.9	78.3
12305231	Ohagelode Health Centre	Partially functional BemONC	No	No	12307333	Unique Clinic	Partially functional CemONC	Yes	Yes	8.2	12503337	Holy Trinity & Motherless Babies Home	Partially functional BemONC	8.0	46.2
12305226	Ugbodo Health Centre	Partially functional BemONC	No	No	12307326	Mile 4 Hospital	Partially functional CemONC	Yes	Yes	27.3	12307326	Mile 4 Hospital	Partially functional CemONC	27.3	84.6
12712278	Umuakwuna Health Centre	Partially functional BemONC	No	No	12712317	Okposi General Hospital	Partially functional CemONC	Yes	Yes	5.9	12712317	Okposi General Hospital	Partially functional CemONC	5.9	41.8
12708277	Ngbon Urban Health Centre	Partially functional BemONC	No	No	12712317	Okposi General Hospital	Partially functional CemONC	Yes	Yes	1.2	12712317	Okposi General Hospital	Partially functional CemONC	1.2	32.4
12710283	Ugwulawgwali Health Centre	Partially functional BemONC	No	No	12712317	Okposi General Hospital	Partially functional CemONC	Yes	Yes	9.2	12712317	Okposi General Hospital	Partially functional CemONC	9.2	48.3
12712280	Umunuka Health Centre	Partially functional BemONC	No	No	12712317	Okposi General Hospital	Partially functional CemONC	Yes	Yes	3.6	12712317	Okposi General Hospital	Partially functional CemONC	3.6	37.2
12813294	Okaria Millennium Development Goal	Partially functional BemONC	No	No	12712317	Okposi General Hospital	Partially functional CemONC	Yes	Yes	28.0	12506255	Ettam Health Centre	Partially functional BemONC	14.6	72.6
12813293	Enyibichiri Health Centre	Partially functional BemONC	No	No	12712317	Okposi General Hospital	Partially functional CemONC	Yes	Yes	34.3	12403336	Christian Mission Hospital	Not functional	15.1	79.3
12808300	Isiama Health Centre	Partially functional BemONC	No	No	12712317	Okposi General Hospital	Partially functional CemONC	Yes	Yes	4.0	12712317	Okposi General Hospital	Partially functional CemONC	4.0	37.9
12708284	Ndiunuhu Health Centre	Partially functional BemONC	No	No	12712317	Okposi General Hospital	Partially functional CemONC	Yes	Yes	2.9	12712317	Okposi General Hospital	Partially functional CemONC	2.9	35.8
12305228	Uloamwu Health Centre	Partially functional BemONC	No	No	12307333	Unique Clinic	Partially functional CemONC	Yes	Yes	10.9	12307333	Unique Clinic	Partially functional CemONC	10.9	51.7
12808299	Ebriogu Millennium Development Goal	Partially functional BemONC	No	No	12712317	Okposi General Hospital	Partially functional CemONC	Yes	Yes	17.0	12712317	Okposi General Hospital	Partially functional BemONC	17.0	64.0
12702285	Enyimmanu Health Centre	Partially functional BemONC	No	No	12712317	Okposi General Hospital	Partially functional CemONC	Yes	Yes	15.2	12712317	Okposi General Hospital	Partially functional CemONC	15.2	60.3
12714287	Onuavankwor Health Centre (Umunaga/Agugwu)	Partially functional BemONC	No	No	12712317	Okposi General Hospital	Partially functional CemONC	Yes	Yes	5.5	12712317	Okposi General Hospital	Partially functional CemONC	5.5	40.9
12504258	Odomowo Millennium Development Goal	Not functional	No	No	12511327	Rural Improvement Mission Hospital	Fully functional CemONC	Yes	No	18.0	12201313	Elinwobu General Hospital	Partially functional BemONC	40.9	88.9
12504263	Ohatekwe Health Centre	Not functional	No	No	12511327	Rural Improvement Mission Hospital	Fully functional CemONC	Yes	No	14.9	12201313	Elinwobu General Hospital	Partially functional BemONC	37.9	82.8
12511334	Uzochi Clinic and Maternity Center	Partially functional BemONC	No	No	12511327	Rural Improvement Mission Hospital	Fully functional CemONC	Yes	No	21.5	12201313	Elinwobu General Hospital	Partially functional BemONC	19.8	71.3
12511315	Igbogi General Hospital	Partially functional BemONC	No	No	12511327	Rural Improvement Mission Hospital	Fully functional CemONC	Yes	No	24.1	12201313	Elinwobu General Hospital	Partially functional BemONC	22.4	76.5
12209214	Aziyokuwu Maternal and Child Health	Partially functional BemONC	No	No	12305339	Abakaliki Federal Teaching Hospital	Fully functional CemONC	Yes	No	3.7	12307326	Mile 4 Hospital	Partially functional CemONC	7.0	40.7
12511251	Ndiechi Health Centre	Partially functional BemONC	No	No	12511327	Rural Improvement Mission Hospital	Fully functional CemONC	Yes	No	27.6	12201313	Elinwobu General Hospital	Partially functional BemONC	25.7	83.3
12504250	Onuafukwa health Centre	Partially functional BemONC	No	No	12511327	Rural Improvement Mission Hospital	Fully functional CemONC	Yes	No	18.6	12201313	Elinwobu General Hospital	Partially functional BemONC	41.0	89.6
12501256	Ogbago Millennium Development Goal	Partially functional BemONC	No	No	12511327	Rural Improvement Mission Hospital	Fully functional CemONC	Yes	No	31.2	12506255	Ettam Health Centre	Partially functional BemONC	37.8	98.9
12511247	Abina Health Centre	Partially functional BemONC	No	No	12511327	Rural Improvement Mission Hospital	Fully functional CemONC	Yes	No	35.1	12506255	Ettam Health Centre	Partially functional BemONC	14.4	79.5
12511260	Orona Health Centre	Partially functional BemONC	No	No	12511327	Rural Improvement Mission Hospital	Fully functional CemONC	Yes	No	38.2	12506255	Ettam Health Centre	Partially functional BemONC	11.3	79.5
12403243	Amuzu Health Centre	Not functional	No	No	12201332	Mother Theresa Hospital	Partially functional CemONC	No	Yes	16.5	12403336	Christian Mission Hospital	Not functional	3.2	49.7
12404240	Amagu Health Centre	Not functional	No	No	12201332	Mother Theresa Hospital	Partially functional CemONC	No	Yes	26.6	12403336	Christian Mission Hospital	Not functional	8.3	64.9
12613268	Mbede Health Centre	Not functional	No	No	12714328	Uburu Presbyterian Joint Hospital	Partially functional CemONC	No	Yes	28.4	12613338	Crush Rock Medical Clinic	Partially functional BemONC	8.1	66.5
12511262	Ohanku Millennium Development Goal	Not functional	No	No	12201332	Mother Theresa Hospital	Partially functional CemONC	No	Yes	26.6	12201313	Elinwobu General Hospital	Partially functional BemONC	13.3	69.9
12209217	Enyigba Health Centre	Not functional	No	No	12201332	Mother Theresa Hospital	Partially functional CemONC	No	Yes	17.5	12201313	Elinwobu General Hospital	Partially functional BemONC	4.1	51.6
12615269	Amaonye Millennium Development Goals	Not functional	No	No	12610335	Nyeche Hospital	Partially functional CemONC	No	Yes	3.0	12615316	Ishiagu General Hospital	Partially functional BemONC	1.7	34.7

## Nigeria - Accessibility to EmONC facilities for the States of Ebonyi and Kogi

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12615266	Ishiagu Basic Health Centre	Not functional	No	No	12610335	Nyeche Hospital	Partially functional CemONC	No	Yes	6.3	12615316	Ishiagu General Hospital	Partially functional BemONC	4.9	41.2
12602289	Amagu ihie Health Centre	Partially functional BemONC	No	No	12610335	Nyeche Hospital	Partially functional CemONC	No	Yes	3.7	12615316	Ishiagu General Hospital	Partially functional BemONC	2.3	36.0
12402346	Onueke Maternal and Child Health	Partially functional BemONC	No	No	12201332	Mother Theresa Hospital	Partially functional CemONC	No	Yes	19.6	12403336	Christian Mission Hospital	Not functional	3.8	53.4
12404238	Amana Millennium Development Goal	Partially functional BemONC	No	No	12201332	Mother Theresa Hospital	Partially functional CemONC	No	Yes	27.1	12201313	Elinwobu General Hospital	Partially functional BemONC	14.0	71.1
12708261	Obiozara Health Centre	Partially functional BemONC	No	No	12714328	Uburu Presbyterian Joint Hospital	Partially functional CemONC	No	Yes	6.5	12712317	Okposi General Hospital	Partially functional CemONC	9.0	45.5
12610270	Iyigbi Health Centre	Partially functional BemONC	No	No	12610335	Nyeche Hospital	Partially functional CemONC	No	Yes	28.8	12613338	Crush Rock Medical Clinic	Partially functional BemONC	4.6	63.4
12613267	Ameze Health Centre	Partially functional BemONC	No	No	12610335	Nyeche Hospital	Partially functional CemONC	No	Yes	2.0	12615316	Ishiagu General Hospital	Partially functional BemONC	4.4	36.4
12712291	Umunaga Enugu Health Post	Partially functional BemONC	No	No	12714328	Uburu Presbyterian Joint Hospital	Partially functional CemONC	No	Yes	5.0	12712317	Okposi General Hospital	Partially functional CemONC	12.7	47.7
12209223	New Timbershed Health Centre	Partially functional BemONC	No	No	12201332	Mother Theresa Hospital	Partially functional CemONC	No	Yes	10.8	12201313	Elinwobu General Hospital	Partially functional BemONC	6.5	47.3
12712292	Umuchima Health Post	Partially functional BemONC	No	No	12714328	Uburu Presbyterian Joint Hospital	Partially functional CemONC	No	Yes	11.6	12613338	Crush Rock Medical Clinic	Partially functional BemONC	22.6	64.1
12602272	Ayaragu Millennium Development Goals	Partially functional BemONC	No	No	12610335	Nyeche Hospital	Partially functional CemONC	No	Yes	14.5	12613338	Crush Rock Medical Clinic	Partially functional BemONC	10.3	54.8
12404242	Amudo Millennium Development Goal	Partially functional BemONC	No	No	12201332	Mother Theresa Hospital	Partially functional CemONC	No	Yes	28.9	12403336	Christian Mission Hospital	Not functional	9.3	68.2
12808305	Akanu Health Centre	Partially functional BemONC	No	No	12714328	Uburu Presbyterian Joint Hospital	Partially functional CemONC	No	Yes	11.6	12813319	Onicha General Hospital	Partially functional BemONC	15.7	57.3
12209215	Anuakpara Millennium Development Goal	Partially functional BemONC	No	No	12201332	Mother Theresa Hospital	Partially functional CemONC	No	Yes	8.3	12201313	Elinwobu General Hospital	Partially functional BemONC	9.2	47.5
12403245	Onuzonu Ogbaji Maternal and Child Health	Partially functional BemONC	No	No	12201332	Mother Theresa Hospital	Partially functional CemONC	No	Yes	22.8	12403336	Christian Mission Hospital	Not functional	3.2	56.0
12610275	Akazeze Basic Health Centre	Partially functional BemONC	No	No	12610335	Nyeche Hospital	Partially functional CemONC	No	Yes	25.9	12613338	Crush Rock Medical Clinic	Partially functional BemONC	1.8	57.7
12209212	Nkwego Model Primary Health Centre	Partially functional BemONC	No	No	12201332	Mother Theresa Hospital	Partially functional CemONC	No	Yes	8.4	12201313	Elinwobu General Hospital	Partially functional BemONC	6.1	44.5
12812307	Amankalu Health Centre	Not functional	No	No	12802301	Onicha Health Centre	Partially functional CemONC	No	No	17.9	12813319	Onicha General Hospital	Partially functional BemONC	16.5	64.4
12402344	Ezama Millennium Development Goal	Partially functional BemONC	No	No	12802301	Onicha Health Centre	Partially functional CemONC	No	No	25.6	12403336	Christian Mission Hospital	Not functional	7.0	62.6
12814332	St. Charles Clinic	Partially functional BemONC	No	No	12802301	Onicha Health Centre	Partially functional CemONC	No	No	9.2	12813319	Onicha General Hospital	Partially functional BemONC	7.8	47.1
12810310	Onuani Health Centre	Partially functional BemONC	No	No	12802301	Onicha Health Centre	Partially functional CemONC	No	No	17.9	12813319	Onicha General Hospital	Partially functional BemONC	17.3	65.1
12810312	Isu Health Centre	Partially functional BemONC	No	No	12802301	Onicha Health Centre	Partially functional CemONC	No	No	9.3	12813319	Onicha General Hospital	Partially functional BemONC	8.7	47.9
12810297	Umuifi Health Centre	Partially functional BemONC	No	No	12802301	Onicha Health Centre	Partially functional CemONC	No	No	13.1	12813319	Onicha General Hospital	Partially functional BemONC	12.5	55.6
12810295	Agbabor Health Centre	Partially functional BemONC	No	No	12802301	Onicha Health Centre	Partially functional CemONC	No	No	10.2	12813319	Onicha General Hospital	Partially functional BemONC	8.8	49.0
12802311	Ogonogonua Health Centre	Partially functional BemONC	No	No	12802301	Onicha Health Centre	Partially functional CemONC	No	No	2.6	12813319	Onicha General Hospital	Partially functional BemONC	4.1	36.7
12802298	Amakporo Health Centre	Partially functional BemONC	No	No	12802301	Onicha Health Centre	Partially functional CemONC	No	No	4.0	12813319	Onicha General Hospital	Partially functional BemONC	2.6	36.6
12813309	Obeagu Health Centre	Partially functional BemONC	No	No	12802301	Onicha Health Centre	Partially functional CemONC	No	No	24.2	12806233	Agba General Hospital	Partially functional BemONC	18.7	72.9
12812306	Oshiri Model Health Centre	Partially functional BemONC	No	No	12802301	Onicha Health Centre	Partially functional CemONC	No	No	14.2	12813319	Onicha General Hospital	Partially functional BemONC	12.8	57.0
12813304	Amamator	Partially functional BemONC	No	No	12802301	Onicha Health Centre	Partially functional CemONC	No	No	6.9	12813319	Onicha General Hospital	Partially functional BemONC	6.3	43.2

## State of Kogi

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22122207	Itedo-Irunda General Hospital (Isanlu General Hospital)	Partially functional CemONC	Yes	Yes	22122207	Itedo-Irunda General Hospital (Isanlu General Hospital)	Partially functional CemONC	Yes	Yes	0.0	21301137	Aiyetoro ECWA Hospital	Partially functional CemONC	29.4	0.0
21022135	Holly Memorial Hospital	Partially functional CemONC	Yes	Yes	21022135	Holly Memorial Hospital	Partially functional CemONC	Yes	Yes	0.0	20423163	Emewe-Opada Cottage Hospital	Partially functional BemONC	21.3	0.0
21301137	Aiyetoro ECWA Hospital	Partially functional CemONC	Yes	Yes	21301137	Aiyetoro ECWA Hospital	Partially functional CemONC	Yes	Yes	0.0	22122207	Itedo-Irunda General Hospital (Isanlu General Hospital)	Partially functional CemONC	29.5	0.0
20205349	Ajaokuta Medical Centre	Partially functional CemONC	Yes	Yes	20205349	Ajaokuta Medical Centre	Partially functional CemONC	Yes	Yes	0.0	21022135	Holly Memorial Hospital	Partially functional CemONC	52.4	0.0
21301173	Iyamoye General Hospital	Partially functional CemONC	Yes	Yes	21301173	Iyamoye General Hospital	Partially functional CemONC	Yes	Yes	0.0	21301137	Aiyetoro ECWA Hospital	Partially functional CemONC	45.5	0.0
20601178	Iluke Cottage Hospital	Partially functional CemONC	Yes	No	20601178	Iluke Cottage Hospital	Partially functional CemONC	Yes	No	0.0	21301137	Aiyetoro ECWA Hospital	Partially functional CemONC	26.4	0.0
21106020	Okengwe General Hospital	Partially functional CemONC	Yes	No	21106020	Okengwe General Hospital	Partially functional CemONC	Yes	No	0.0	21301137	Aiyetoro ECWA Hospital	Partially functional CemONC	48.9	0.0
21106199	Okene Zonal Hospital	Partially functional CemONC	Yes	No	21106199	Okene Zonal Hospital	Partially functional CemONC	Yes	No	0.0	21301137	Aiyetoro ECWA Hospital	Partially functional CemONC	44.9	0.0
20411159	Egume General Hospital	Partially functional CemONC	Yes	No	20411159	Egume General Hospital	Partially functional CemONC	Yes	No	0.0	21022135	Holly Memorial Hospital	Partially functional CemONC	25.6	0.0
20715180	Koton Karfe General Hospital	Partially functional CemONC	Yes	No	20715180	Koton Karfe General Hospital	Partially functional CemONC	Yes	No	0.0	20205349	Ajaokuta Medical Centre	Partially functional CemONC	64.1	0.0
20901189	Mopa General Hospital	Partially functional CemONC	No	Yes	20901189	Mopa General Hospital	Partially functional CemONC	No	Yes	0.0	21301137	Aiyetoro ECWA Hospital	Partially functional CemONC	16.5	0.0
20419133	Grinard Hospital	Fully functional CemONC	No	Yes	20419133	Grinard Hospital	Fully functional CemONC	No	Yes	0.0	21022135	Holly Memorial Hospital	Partially functional CemONC	18.8	0.0
20322155	Ankpa Zonal Hospital (Ankpa General Hospital)	Fully functional CemONC	No	Yes	20322155	Ankpa Zonal Hospital (Ankpa General Hospital)	Fully functional CemONC	No	Yes	0.0	21919201	Okpo General Hospital	Not functional	25.7	0.0
20601134	St. John's Catholic Hospital,	Partially functional CemONC	No	Yes	20601134	St. John's Catholic Hospital,	Partially functional CemONC	No	Yes	0.0	21301137	Aiyetoro ECWA Hospital	Partially functional CemONC	17.2	0.0
20309147	Universal Hospital (Bethel Hospital)	Partially functional CemONC	No	Yes	20309147	Universal Hospital (Bethel Hospital)	Partially functional CemONC	No	Yes	0.0	21919201	Okpo General Hospital	Not functional	22.2	0.0
20621150	Medubi Hospital	Partially functional CemONC	No	Yes	20621150	Medubi Hospital	Partially functional CemONC	No	Yes	0.0	21301137	Aiyetoro ECWA Hospital	Partially functional CemONC	18.9	0.0
22024202	Abejokolo-1 General Hospital	Partially functional CemONC	No	Yes	22024202	Abejokolo-1 General Hospital	Partially functional CemONC	No	Yes	0.0	21519139	Shera Catholic Mission Hospital	Partially functional BemONC	74.1	0.0
21524156	Oguma General Hospital	Partially functional CemONC	No	Yes	21524156	Oguma General Hospital	Partially functional CemONC	No	Yes	0.0	21519139	Shera Catholic Mission Hospital	Partially functional BemONC	6.2	0.0
21407266	Oyedega Cottage Hospital	Partially functional CemONC	No	Yes	21407266	Oyedega Cottage Hospital	Partially functional CemONC	No	Yes	0.0	21022135	Holly Memorial Hospital	Partially functional CemONC	87.9	0.0
21216136	Yagba West Evangelical Church of West Africa (ECWA) Hospital, Egbe	Partially functional CemONC	No	No	21216136	Yagba West Evangelical Church of West Africa (ECWA) Hospital, Egbe	Partially functional CemONC	No	No	0.0	22122207	Itedo-Irunda General Hospital (Isanlu General Hospital)	Partially functional CemONC	33.6	0.0
22116205	Ife Olukotun Cottage Hospital	Partially functional CemONC	No	No	22116205	Ife Olukotun Cottage Hospital	Partially functional CemONC	No	No	0.0	21301173	Iyamoye General Hospital	Partially functional CemONC	27.5	0.0
21007194	Ogbonicha Eye Hospital	Partially functional CemONC	No	No	21007194	Ogbonicha Eye Hospital	Partially functional CemONC	No	No	0.0	21022135	Holly Memorial Hospital	Partially functional CemONC	38.2	0.0



## Nigeria - Accessibility to EmONC facilities for the States of Ebonyi and Kogi

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21617170	Ajaka Comprehensive Health Centre	Partially functional CemONC	No	No	21617170	Ajaka Comprehensive Health Centre	Partially functional CemONC	No	No	0.0	21022135	Holly Memorial Hospital	Partially functional CemONC	40.5	0.0
21809197	Obangere General Hospital	Fully functional CemONC	No	No	21809197	Obangere General Hospital	Fully functional CemONC	No	No	0.0	21301137	Aiyetoro ECWA Hospital	Partially functional CemONC	42.5	0.0
21809198	Obierba Comprehensive Health Centre	Partially functional CemONC	No	No	21809198	Obierba Comprehensive Health Centre	Partially functional CemONC	No	No	0.0	21301137	Aiyetoro ECWA Hospital	Partially functional CemONC	48.6	0.0
20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CemONC	No	No	20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CemONC	No	No	0.0	21519139	Sheria Catholic Mission Hospital	Partially functional BemONC	27.2	0.0
21519140	Ijumu Evangelical Church of West Africa (ECWA) Clinic, Akakana	Partially functional CemONC	No	No	21519140	Ijumu Evangelical Church of West Africa (ECWA) Clinic, Akakana	Partially functional CemONC	No	No	0.0	21519139	Sheria Catholic Mission Hospital	Partially functional BemONC	16.0	0.0
20815181	Kogi State Specialist Hospital	Fully functional CemONC	No	No	20815181	Kogi State Specialist Hospital	Fully functional CemONC	No	No	0.0	20205349	Ajaokuta Medical Centre	Partially functional CemONC	36.9	0.0
20825210	Lokaja Federal Medical Centre	Partially functional CemONC	No	No	20825210	Lokaja Federal Medical Centre	Partially functional CemONC	No	No	0.0	20205349	Ajaokuta Medical Centre	Partially functional CemONC	37.7	0.0
20423163	Emewe-Opada Cottage Hospital	Partially functional BemONC	Yes	Yes	21022135	Holly Memorial Hospital	Partially functional CemONC	Yes	Yes	21.3	21022135	Holly Memorial Hospital	Partially functional CemONC	21.3	21.3
21919201	Okpo General Hospital	Not functional	Yes	Yes	20309147	Universal Hospital (Bethel Hospital)	Partially functional CemONC	No	Yes	22.2	21022135	Holly Memorial Hospital	Partially functional CemONC	57.8	22.2
21519139	Sheria Catholic Mission Hospital	Partially functional BemONC	Yes	Yes	21524156	Oguma General Hospital	Partially functional CemONC	No	Yes	6.2	20423163	Emewe-Opada Cottage Hospital	Partially functional BemONC	59.7	6.2
21218208	Egbe Cottage Hospital	Partially functional BemONC	Yes	Unknown	21216136	Yagba West Evangelical Church of West Africa (ECWA) Hospital, Egbe	Partially functional CemONC	No	No	8.0	22122207	Itedo-trunda General Hospital (Isanlu General Hospital)	Partially functional CemONC	32.8	8.0
21301174	Ekirnade Cottage Hospital	Not functional	Yes	No	21301173	Iyamoye General Hospital	Partially functional CemONC	Yes	Yes	9.2	21301173	Iyamoye General Hospital	Partially functional CemONC	9.6	9.2
20720087	Achara Primary Health Centre	Not functional	No	No	20715180	Koton Karfe General Hospital	Partially functional CemONC	Yes	No	6.7	20205349	Ajaokuta Medical Centre	Partially functional CemONC	67.9	6.7
21706196	Ogori General Hospital	Partially functional BemONC	Yes	No	21106020	Okengwe General Hospital	Partially functional CemONC	Yes	No	17.8	21301137	Aiyetoro ECWA Hospital	Partially functional CemONC	65.6	17.8
20710084	Okpareke Primary Health Centre	Partially functional BemONC	Yes	No	20715180	Koton Karfe General Hospital	Partially functional CemONC	Yes	No	10.1	21519139	Sheria Catholic Mission Hospital	Partially functional BemONC	61.3	10.1
20211146	Amamba Clinic	Partially functional BemONC	Yes	No	21061099	Okene Zonal Hospital	Partially functional CemONC	Yes	No	27.4	20205349	Ajaokuta Medical Centre	Partially functional CemONC	31.7	27.4
20404160	Iyale General Hospital	Not functional	Yes	No	20419133	Grimard Hospital	Partially functional CemONC	No	Yes	34.0	21022135	Holly Memorial Hospital	Partially functional CemONC	52.8	34.0
20322020	Enelle Primary Health Centre	Not functional	Yes	No	20322155	Ankpa Zonal Hospital (Ankpa General Hospital)	Partially functional CemONC	No	Yes	28.7	21919201	Okpo General Hospital	Not functional	50.7	28.7
21402168	Ejule-Ojebe Cottage Hospital	Not functional	Yes	No	21407166	Onyedega Cottage Hospital	Partially functional CemONC	No	Yes	21.3	21022135	Holly Memorial Hospital	Partially functional CemONC	66.5	21.3
21523157	Gboloko Cottage Hospital	Not functional	Yes	No	20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CemONC	No	No	20.0	21519139	Sheria Catholic Mission Hospital	Partially functional BemONC	38.8	20.0
20419048	Ajudacha Primary Health Centre	Not functional	Yes	No	20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CemONC	No	No	42.4	20423163	Emewe-Opada Cottage Hospital	Partially functional BemONC	23.8	42.4
21014115	Ochadamu Primary Health Centre	Not functional	No	Yes	21022135	Holly Memorial Hospital	Partially functional CemONC	Yes	Yes	2.0	21022135	Holly Memorial Hospital	Partially functional CemONC	2.0	3.9
21301173	Aiyetoro-Gdede General Hospital	Partially functional BemONC	No	Yes	21301137	Aiyetoro ECWA Hospital	Partially functional CemONC	Yes	Yes	3.4	21301137	Aiyetoro ECWA Hospital	Partially functional CemONC	3.3	6.7
20423050	Itama Primary Health Centre	Not functional	No	Yes	20411159	Egume General Hospital	Partially functional CemONC	Yes	No	19.8	21022135	Holly Memorial Hospital	Partially functional CemONC	45.4	65.2
20202356	Oggigiri Primary Health Centre	Partially functional BemONC	No	Yes	21106199	Okene Zonal Hospital	Partially functional CemONC	Yes	No	24.5	20205349	Ajaokuta Medical Centre	Partially functional CemONC	30.5	55.0
20203358	Apanko Primary Health Centre	Partially functional BemONC	No	Yes	21106199	Okene Zonal Hospital	Partially functional CemONC	Yes	No	33.9	20205349	Ajaokuta Medical Centre	Partially functional CemONC	38.3	72.3
21016347	Ozuru Modern Primary Health Centre	Partially functional BemONC	No	Yes	21106199	Okene Zonal Hospital	Partially functional CemONC	Yes	No	7.3	21301137	Aiyetoro ECWA Hospital	Partially functional CemONC	44.5	44.6
20720281	Egbo Baki Primary Health Centre	Partially functional BemONC	No	Yes	20715180	Koton Karfe General Hospital	Partially functional CemONC	Yes	No	15.3	20205349	Ajaokuta Medical Centre	Partially functional CemONC	76.5	60.6
20715089	FSP Kotonkarfe Primary Health Centre	Partially functional BemONC	No	Yes	20715180	Koton Karfe General Hospital	Partially functional CemONC	Yes	No	1.1	20205349	Ajaokuta Medical Centre	Partially functional CemONC	63.5	32.3
21014132	Kuroko ECWA Hospital	Partially functional BemONC	No	Yes	21106199	Okene Zonal Hospital	Partially functional CemONC	Yes	No	2.6	21301137	Aiyetoro ECWA Hospital	Partially functional CemONC	47.2	35.2
20403353	Anyingba Primary Health Centre	Not functional	No	Yes	20419133	Grimard Hospital	Partially functional CemONC	No	Yes	1.3	21022135	Holly Memorial Hospital	Partially functional CemONC	20.0	21.3
20419161	Kogi State University Teaching Hospital Ayinba Medical Centre	Not functional	No	Yes	20419133	Grimard Hospital	Partially functional CemONC	No	Yes	2.1	21022135	Holly Memorial Hospital	Partially functional CemONC	17.0	19.1
20403359	Ajalo Abocho Model Primary Health Centre	Partially functional BemONC	No	Yes	20419133	Grimard Hospital	Partially functional CemONC	No	Yes	10.2	20423163	Emewe-Opada Cottage Hospital	Partially functional BemONC	28.1	38.3
20601065	Egbeda Maternal and Child Health	Partially functional BemONC	No	Yes	20601134	St. John's Catholic Hospital, Egbeda	Partially functional CemONC	No	Yes	7.5	21301137	Aiyetoro ECWA Hospital	Partially functional CemONC	24.5	32.0
20423148	Alli star Hospital	Partially functional BemONC	No	Yes	20419133	Grimard Hospital	Partially functional CemONC	No	Yes	1.0	21022135	Holly Memorial Hospital	Partially functional CemONC	19.7	20.7
20423047	Ojuwo-Ile Primary Health Centre	Partially functional BemONC	No	Yes	20419133	Grimard Hospital	Partially functional CemONC	No	Yes	45.8	21519139	Sheria Catholic Mission Hospital	Partially functional BemONC	49.5	95.3
20424046	Odu Ochelle Primary Health Centre	Partially functional BemONC	No	Yes	20419133	Grimard Hospital	Partially functional CemONC	No	Yes	20.9	21022135	Holly Memorial Hospital	Partially functional CemONC	39.7	60.6
21301175	Iyara Cottage Hospital	Partially functional BemONC	No	Yes	20621150	Medubi Hospital	Partially functional CemONC	No	Yes	10.6	21301173	Iyamoye General Hospital	Partially functional CemONC	18.2	28.8
21401360	Ichala Ajode Primary Health Centre	Not functional	No	Yes	21617170	Ajaka Comprehensive Health Centre	Partially functional CemONC	No	No	28.4	21022135	Holly Memorial Hospital	Partially functional CemONC	68.5	96.9
21005190	Ogwolewo General Hospital	Not functional	No	Yes	21617170	Ajaka Comprehensive Health Centre	Partially functional CemONC	No	No	14.2	21022135	Holly Memorial Hospital	Partially functional CemONC	34.9	49.1
20423165	Abocho Cottage Hospital	Not functional	No	Yes	20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CemONC	No	No	25.6	20423163	Emewe-Opada Cottage Hospital	Partially functional BemONC	9.6	35.2
20423036	Ojukpo Primary Health Centre	Not functional	No	Yes	20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CemONC	No	No	22.8	20423163	Emewe-Opada Cottage Hospital	Partially functional BemONC	13.5	36.3
20405354	Odu Ofugo Primary Health Centre	Partially functional BemONC	No	Yes	20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CemONC	No	No	15.0	20423163	Emewe-Opada Cottage Hospital	Partially functional BemONC	33.2	48.2
20424034	Dekina Maternal and Child Health Clinic	Partially functional BemONC	No	Yes	20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CemONC	No	No	0.9	21519139	Sheria Catholic Mission Hospital	Partially functional BemONC	27.9	28.8
20514051	Egga Primary Health Centre	Partially functional BemONC	No	Yes	21617170	Ajaka Comprehensive Health Centre	Partially functional CemONC	No	No	11.2	21022135	Holly Memorial Hospital	Partially functional CemONC	51.3	62.5
21022121	Ugwolowo Primary Health Centre	Partially functional BemONC	No	Yes	21617170	Ajaka Comprehensive Health Centre	Partially functional CemONC	No	No	17.7	21022135	Holly Memorial Hospital	Partially functional CemONC	32.2	49.9
21014142	Ojuto Memorial Clinic	Partially functional BemONC	No	Yes	21617170	Ajaka Comprehensive Health Centre	Partially functional CemONC	No	No	16.6	21022135	Holly Memorial Hospital	Partially functional CemONC	34.8	51.4
20921102	Droke 1 Primary Health Centre	Not functional	No	Unknown	20901189	Mopa General Hospital	Partially functional CemONC	No	Yes	6.3	22122207	Itedo-trunda General Hospital (Isanlu General Hospital)	Partially functional CemONC	10.6	46.9
20505059	Ogane-Uge Primary Health Centre	Not functional	No	Unknown	21617170	Ajaka Comprehensive Health Centre	Partially functional CemONC	No	No	25.5	21022135	Holly Memorial Hospital	Partially functional CemONC	65.6	121.2
21005109	Ojofa Primary Health Centre	Not functional	No	Unknown	21617170	Ajaka Comprehensive Health Centre	Partially functional CemONC	No	No	10.5	21022135	Holly Memorial Hospital	Partially functional CemONC	30.2	70.6
20502054	Igala - Ogba Primary Health Centre	Not functional	No	Unknown	21617170	Ajaka Comprehensive Health Centre	Partially functional CemONC	No	No	9.6	21022135	Holly Memorial Hospital	Partially functional CemONC	49.7	89.2
20502057	Sabongari Primary Health Centre	Not functional	No	Unknown	21617170	Ajaka Comprehensive Health Centre	Partially functional CemONC	No	No	12.0	21022135	Holly Memorial Hospital	Partially functional CemONC	52.1	94.0
21002111	Agojeju Primary Health Centre	Not functional	No	No	21022135	Holly Memorial Hospital	Partially functional CemONC	Yes	Yes	19.8	21022135	Holly Memorial Hospital	Partially functional CemONC	19.8	69.5

# Nigeria - Accessibility to EmONC facilities for the States of Ebonyi and Kogi

BEmONC facility code	BEmONC facility name	BEmONC facility status	Functioning motorized vehicle at BEmONC site	Functioning phone (landline and/or cell) available at BEmONC site	Code of the nearest CEmONC facility	Name of the nearest CEmONC	CEmONC facility status	Functioning motorized vehicle available at nearest CEmONC site	Functioning phone (landline and/or cell) available at CEmONC site	Travel time to the nearest CEmONC facility if motorized vehicle available at BEmONC site (min)	Code of the nearest facility with functioning motor vehicle and phone (landline/cell)	Name of the nearest facility with functioning motor vehicle and phone (landline/cell)	EmONC Status of the facility	Travel time between this facility and the BEmONC facility (min)	Final estimated travel time for the referral (min)
21002110	Ofakaga Primary Health Centre	Not functional	No	No	21022135	Holly Memorial Hospital	Partially functional CEmONC	Yes	Yes	14.8	21022135	Holly Memorial Hospital	Partially functional CEmONC	14.8	59.7
21002114	Iroko Ogene Primary Health Centre	Not functional	No	No	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	Yes	Yes	22.8	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	22.8	75.5
20211008	Ajaokuta Primary Health Centre	Partially functional BEmONC	No	No	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	Yes	Yes	17.0	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	17.0	63.9
20211007	Kilometer 18 Adogwu Primary Health Centre	Partially functional BEmONC	No	No	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	Yes	Yes	20.6	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	20.6	71.1
2042032	Baraidu Primary Health Centre	Partially functional BEmONC	No	No	21022135	Holly Memorial Hospital	Partially functional CEmONC	Yes	Yes	13.7	20423163	Emewe-Opada Cottage Hospital	Partially functional BEmONC	7.8	51.5
20204154	Adogo Cottage Hospital	Not functional	No	No	21106199	Okene Zonal Hospital	Partially functional CEmONC	Yes	No	26.0	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	32.4	88.4
20111153	Nagati Comprehensive Health Centre	Not functional	No	No	21106199	Okene Zonal Hospital	Partially functional CEmONC	Yes	No	5.6	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	43.4	71.2
20217010	Ajaokuta Model Primary Health Centre	Not functional	No	No	21106199	Okene Zonal Hospital	Partially functional CEmONC	Yes	No	33.9	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	38.3	102.3
21117127	Agewa Basic Health Clinic Primary Health Centre	Not functional	No	No	21106020	Okengwe General Hospital	Partially functional CEmONC	Yes	No	3.4	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	51.9	66.8
20720088	Kpokopolobi Primary Health Centre	Not functional	No	No	20715180	Koton Karfe General Hospital	Partially functional CEmONC	Yes	No	17.5	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	78.7	95.0
20710085	Achabo Primary Health Centre	Not functional	No	No	20715180	Koton Karfe General Hospital	Partially functional CEmONC	Yes	No	11.7	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	72.9	83.3
20204014	Inayere Primary Health Centre	Not functional	No	No	21106199	Okene Zonal Hospital	Partially functional CEmONC	Yes	No	25.0	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	34.5	89.6
20104152	Eba Cottage Hospital	Not functional	No	No	21106020	Okengwe General Hospital	Partially functional CEmONC	Yes	No	4.3	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	53.2	68.6
20601263	Iku Primary Health Centre	Partially functional BEmONC	No	No	20601178	Iluke Cottage Hospital	Partially functional CEmONC	Yes	No	2.6	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	26.2	58.9
20710077	Giriyari Primary Health Centre	Partially functional BEmONC	No	No	20715180	Koton Karfe General Hospital	Partially functional CEmONC	Yes	No	29.0	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	90.4	117.9
20111005	Oziokota Modern Primary Health Centre	Partially functional BEmONC	No	No	21106199	Okene Zonal Hospital	Partially functional CEmONC	Yes	No	4.2	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	40.9	68.3
20204013	Peters Primary Health Centre	Partially functional BEmONC	No	No	21106199	Okene Zonal Hospital	Partially functional CEmONC	Yes	No	22.7	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	33.3	86.0
20720078	Omoko Primary Health Centre	Partially functional BEmONC	No	No	20715180	Koton Karfe General Hospital	Partially functional CEmONC	Yes	No	19.7	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	81.0	99.5
20104003	Aseni Primary Health Centre	Partially functional BEmONC	No	No	21106199	Okene Zonal Hospital	Partially functional CEmONC	Yes	No	7.3	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	44.5	74.6
20720086	Onao Primary Health Centre	Partially functional BEmONC	No	No	20715180	Koton Karfe General Hospital	Partially functional CEmONC	Yes	No	10.4	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	71.6	80.7
20104001	Osoma Primary Health Centre	Partially functional BEmONC	No	No	21106020	Okengwe General Hospital	Partially functional CEmONC	Yes	No	2.1	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	51.0	64.2
20710080	Gegu Egba Primary Health Centre	Partially functional BEmONC	No	No	20715180	Koton Karfe General Hospital	Partially functional CEmONC	Yes	No	16.0	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	77.2	92.0
20412039	Uiaja Model Primary Health Centre	Partially functional BEmONC	No	No	20411159	Egume General Hospital	Partially functional CEmONC	Yes	No	37.0	21022135	Holly Memorial Hospital	Partially functional CEmONC	59.5	126.6
20715075	Ette Primary Health Centre	Partially functional BEmONC	No	No	20715180	Koton Karfe General Hospital	Partially functional CEmONC	Yes	No	30.1	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	91.2	129.2
20412035	Ijigi Primary Health Centre	Partially functional BEmONC	No	No	20411159	Egume General Hospital	Partially functional CEmONC	Yes	No	4.1	21022135	Holly Memorial Hospital	Partially functional CEmONC	27.7	61.8
20104145	Agaga Clinic	Partially functional BEmONC	No	No	21106020	Okengwe General Hospital	Partially functional CEmONC	Yes	No	3.6	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	52.5	67.1
21106126	Okene Maternal and Child Clinic	Partially functional BEmONC	No	No	21106199	Okene Zonal Hospital	Partially functional CEmONC	Yes	No	0.7	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	44.7	60.5
20111006	Kuruku Family support clinic	Partially functional BEmONC	No	No	21106199	Okene Zonal Hospital	Partially functional CEmONC	Yes	No	2.2	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	46.8	64.3
20413037	Atochi Primary Health Centre	Partially functional BEmONC	No	No	20411159	Egume General Hospital	Partially functional CEmONC	Yes	No	25.2	21022135	Holly Memorial Hospital	Partially functional CEmONC	50.7	105.9
20720076	Aseni Primary Health Centre	Partially functional BEmONC	No	No	20715180	Koton Karfe General Hospital	Partially functional CEmONC	Yes	No	26.0	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	86.9	112.1
20715083	Okofi Primary Health Centre	Partially functional BEmONC	No	No	20715180	Koton Karfe General Hospital	Partially functional CEmONC	Yes	No	21.2	21519139	Sheria Catholic Mission Hospital	Partially functional BEmONC	59.9	102.4
20601073	Ofi Bunu Primary Health Centre	Partially functional BEmONC	No	No	20601178	Iluke Cottage Hospital	Partially functional CEmONC	Yes	No	20.3	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	23.7	74.0
20715079	Kabba Zonal Hospital (Kabba General Hospital)	Partially functional BEmONC	No	No	20715180	Koton Karfe General Hospital	Partially functional CEmONC	Yes	No	17.9	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	79.1	95.7
20608177		Not functional	No	No	20601134	St. John's Catholic Hospital,	Partially functional CEmONC	No	Yes	3.6	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	20.6	54.2
21401355	Ottah Primary Health Centre	Not functional	No	No	21407166	Onyedega Cottage Hospital	Partially functional CEmONC	No	Yes	22.3	21022135	Holly Memorial Hospital	Partially functional CEmONC	76.6	128.9
20301351	Ojoku Primary Health Centre	Not functional	No	No	20322155	Ankpa Zonal Hospital (Ankpa General Hospital)	Fully functional CEmONC	No	Yes	13.0	21919201	Okpo General Hospital	Not functional	35.9	78.9
20301352	Okenyi Primary Health Centre	Not functional	No	No	20309147	Universal Hospital (Bethel Hospital)	Partially functional CEmONC	No	Yes	14.9	21919201	Okpo General Hospital	Not functional	28.7	73.6
20304350	Ojede Primary Health Centre	Not functional	No	No	20309147	Universal Hospital (Bethel Hospital)	Partially functional CEmONC	No	Yes	2.0	21919201	Okpo General Hospital	Not functional	23.4	55.4
20318021	Abache Primary Health Centre	Not functional	No	No	20322155	Ankpa Zonal Hospital (Ankpa General Hospital)	Fully functional CEmONC	No	Yes	7.6	21919201	Okpo General Hospital	Not functional	30.2	67.8
20192024	Olla General Hospital	Not functional	No	No	20322155	Ankpa Zonal Hospital (Ankpa General Hospital)	Fully functional CEmONC	No	Yes	36.7	21919201	Okpo General Hospital	Not functional	56.7	123.5
20322026	Awulu Primary Health Centre	Not functional	No	No	20322155	Ankpa Zonal Hospital (Ankpa General Hospital)	Fully functional CEmONC	No	Yes	36.2	21919201	Okpo General Hospital	Not functional	58.3	124.5
20316022	Ejinyae Primary Health Centre	Not functional	No	No	20309147	Universal Hospital (Bethel Hospital)	Partially functional CEmONC	No	Yes	17.1	21919201	Okpo General Hospital	Not functional	31.0	78.1
20322025	Ukolobia Primary Health Centre	Not functional	No	No	20322155	Ankpa Zonal Hospital (Ankpa General Hospital)	Fully functional CEmONC	No	Yes	26.1	21919201	Okpo General Hospital	Not functional	48.2	104.4
21002116	Owowolo Primary Health Centre	Not functional	No	No	20419133	Grimard Hospital	Fully functional CEmONC	No	Yes	15.4	21022135	Holly Memorial Hospital	Partially functional CEmONC	21.8	67.2
20913103	Okagi Primary Health Centre	Not functional	No	No	20901189	Mopa General Hospital	Partially functional CEmONC	No	Yes	6.7	22122207	Itedo-Imunda General Hospital (Isanlu General Hospital)	Partially functional CEmONC	10.5	47.2
20423038	Ikpaikpa Primary Health Centre	Not functional	No	No	20419133	Grimard Hospital	Fully functional CEmONC	No	Yes	22.8	21022135	Holly Memorial Hospital	Partially functional CEmONC	41.6	94.4
20613072	Aiyede Bunu General Hospital	Partially functional BEmONC	No	No	20601134	St. John's Catholic Hospital,	Partially functional CEmONC	No	Yes	23.1	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	28.0	81.1
20309018	Ogodo Primary Health Centre (Ankpa)	Partially functional BEmONC	No	No	20322155	Ankpa Zonal Hospital (Ankpa General Hospital)	Fully functional CEmONC	No	Yes	9.3	21919201	Okpo General Hospital	Not functional	29.2	68.5
20613069	Oke-Ibukun Primary Health Centre	Partially functional BEmONC	No	No	20601134	St. John's Catholic Hospital,	Partially functional CEmONC	No	Yes	7.3	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	22.5	59.8
20913105	Ikeji Primary Health Centre	Partially functional BEmONC	No	No	20901189	Mopa General Hospital	Partially functional CEmONC	No	Yes	2.6	22122207	Itedo-Imunda General Hospital (Isanlu General Hospital)	Partially functional CEmONC	14.4	46.9
20901104	Okeagbi Primary Health Centre	Partially functional BEmONC	No	No	20901189	Mopa General Hospital	Partially functional CEmONC	No	Yes	13.9	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	25.4	69.3
20901107	Takete Primary Health Centre (Mopa-Muro)	Partially functional BEmONC	No	No	20901189	Mopa General Hospital	Partially functional CEmONC	No	Yes	2.7	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	13.8	46.5
20601071	Dwode Kabba Maternal and Child Health Primary Health Centre	Partially functional BEmONC	No	No	20601134	St. John's Catholic Hospital,	Partially functional CEmONC	No	Yes	1.5	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	16.2	47.7
20316027	Ofeno Primary Health Centre	Partially functional BEmONC	No	No	20322155	Ankpa Zonal Hospital (Ankpa General Hospital)	Fully functional CEmONC	No	Yes	24.7	21919201	Okpo General Hospital	Not functional	47.3	102.0
20322023	Enabo Primary Health Centre	Partially functional BEmONC	No	No	20322155	Ankpa Zonal Hospital (Ankpa General Hospital)	Fully functional CEmONC	No	Yes	16.5	21919201	Okpo General Hospital	Not functional	38.6	85.1
20412001	Ajilolo Ajikpome Primary Health Centre	Partially functional BEmONC	No	No	20419133	Grimard Hospital	Fully functional CEmONC	No	Yes	9.1	21022135	Holly Memorial Hospital	Partially functional CEmONC	27.8	66.9
20613068	Oke-dayo Primary Health Centre	Partially functional BEmONC	No	No	20601134	St. John's Catholic Hospital,	Partially functional CEmONC	No	Yes	8.3	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	25.3	63.6



## Nigeria - Accessibility to EmONC facilities for the States of Ebonyi and Kogi

BEmONC facility code	BEmONC facility name	BEmONC facility status	Functioning motorized vehicle at BEmONC site	Functioning phone (landline and/or Cell) available at BEmONC site	Code of the nearest CEmONC facility	Name of the nearest CEmONC	CEmONC facility status	Functioning motorized vehicle available at nearest CEmONC site	Functioning phone (landline and/or Cell) available at CEmONC site	Travel time to the nearest CEmONC facility if motorized vehicle available at BEmONC site (min)	Code of the nearest facility with functioning motor vehicle and phone (landline/cell)	Name of the nearest facility with functioning motor vehicle and phone (landline/cell)	EmONC Status of the facility	Travel time between this facility and the BEmONC facility (min)	Final estimated travel time for the referral (min)
20507052	Atenegoma Primary Health Centre	Not functional	No	No	21617170	Ajaka Comprehensive Health Centre	Partially functional CEmONC	No	No	26.7	21022135	Holly Memorial Hospital	Partially functional CEmONC	66.8	121.4
20502171	Idah General Hospital	Not functional	No	No	21617170	Ajaka Comprehensive Health Centre	Partially functional CEmONC	No	No	11.2	21022135	Holly Memorial Hospital	Partially functional CEmONC	51.3	92.5
20419041	Ofugo Maternal and Child Health Clinic	Not functional	No	No	20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CEmONC	No	No	15.0	20423163	Emewe-Opada Cottage Hospital	Partially functional BEmONC	33.2	78.2
20808186	Workers Village Clinic	Not functional	No	No	20815181	Kogi State Specialist Hospital	Fully functional CEmONC	No	No	4.0	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	40.3	74.3
21007113	Onicha-Igo Primary Health Centre	Not functional	No	No	21007194	Ogbonicha Eye Hospital	Partially functional CEmONC	No	No	20.8	21919201	Okpo General Hospital	Not functional	29.2	80.0
20825090	Akwankura Primary Health Centre	Not functional	No	No	20825210	Lokoja Federal Medical Centre	Fully functional CEmONC	No	No	2.4	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	39.7	72.1
20206012	Ukporoko Primary Health Centre	Not functional	No	No	20815181	Kogi State Specialist Hospital	Fully functional CEmONC	No	No	18.8	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	24.5	73.4
21006193	Alloma Cottage Hospital	Not functional	No	No	21007194	Ogbonicha Eye Hospital	Partially functional CEmONC	No	No	15.6	21022135	Holly Memorial Hospital	Partially functional CEmONC	22.8	68.5
21617149	Amaka Clinic	Not functional	No	No	21617170	Ajaka Comprehensive Health Centre	Partially functional CEmONC	No	No	3.0	21022135	Holly Memorial Hospital	Partially functional CEmONC	43.3	76.3
20825187	Fareec Clinic	Not functional	No	No	20815181	Kogi State Specialist Hospital	Fully functional CEmONC	No	No	1.2	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	38.1	69.2
20423042	Ogbayaga Primary Health Centre	Not functional	No	No	20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CEmONC	No	No	13.6	20423163	Emewe-Opada Cottage Hospital	Partially functional BEmONC	31.7	75.3
21018122	Aula Primary Health Centre	Not functional	No	No	21617170	Ajaka Comprehensive Health Centre	Partially functional CEmONC	No	No	19.2	21022135	Holly Memorial Hospital	Partially functional CEmONC	34.8	84.0
20505060	Ugwoda Primary Health Centre	Not functional	No	No	21617170	Ajaka Comprehensive Health Centre	Partially functional CEmONC	No	No	21.3	21022135	Holly Memorial Hospital	Partially functional CEmONC	61.4	112.6
20825091	Sarki Noma Primary Health Centre	Not functional	No	No	20825210	Lokoja Federal Medical Centre	Fully functional CEmONC	No	No	4.7	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	41.9	76.6
20825143	Obagana Life Gate Clinic	Partially functional BEmONC	No	No	20815181	Kogi State Specialist Hospital	Fully functional CEmONC	No	No	28.0	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	46.6	104.5
20507061	Angwa Primary Health Centre	Partially functional BEmONC	No	No	21617170	Ajaka Comprehensive Health Centre	Partially functional CEmONC	No	No	10.4	21022135	Holly Memorial Hospital	Partially functional CEmONC	50.5	90.9
21016118	Agwale Primary Health Centre	Partially functional BEmONC	No	No	21617170	Ajaka Comprehensive Health Centre	Partially functional CEmONC	No	No	25.6	21022135	Holly Memorial Hospital	Partially functional CEmONC	41.6	97.3
20419164	Odu-Ikaka Cottage Hospital	Partially functional BEmONC	No	No	20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CEmONC	No	No	22.3	20423163	Emewe-Opada Cottage Hospital	Partially functional BEmONC	40.4	92.7
20111004	Irewagere Primary Health Centre	Partially functional BEmONC	No	No	21809198	Odioba Comprehensive Health Centre	Partially functional CEmONC	No	No	6.8	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	49.9	86.7
20419040	Ajenejo Primary Health Centre	Partially functional BEmONC	No	No	20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CEmONC	No	No	5.4	20423163	Emewe-Opada Cottage Hospital	Partially functional BEmONC	27.3	62.7
20412004	Ajonjoja Primary Health Centre	Partially functional BEmONC	No	No	20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CEmONC	No	No	14.9	20423163	Emewe-Opada Cottage Hospital	Partially functional BEmONC	25.7	70.6
20419043	Okpakili Ate Primary Health Centre	Partially functional BEmONC	No	No	20412158	Dekina Zonal Hospital (Dekina General Hospital)	Partially functional CEmONC	No	No	24.4	20423163	Emewe-Opada Cottage Hospital	Partially functional BEmONC	42.5	97.0
20502055	Efulu Primary Health Centre	Partially functional BEmONC	No	No	21617170	Ajaka Comprehensive Health Centre	Partially functional CEmONC	No	No	18.5	21022135	Holly Memorial Hospital	Partially functional CEmONC	58.6	107.1
21009123	Ojuwocha Primary Health Centre	Partially functional BEmONC	No	No	21617170	Ajaka Comprehensive Health Centre	Partially functional CEmONC	No	No	30.3	21022135	Holly Memorial Hospital	Partially functional CEmONC	44.9	105.2
21014112	Ogbagebe Primary Health Centre	Partially functional BEmONC	No	No	21007194	Ogbonicha Eye Hospital	Partially functional CEmONC	No	No	13.9	21919201	Okpo General Hospital	Not functional	28.6	72.5
21009120	Ojuwomachi Primary Health Centre	Partially functional BEmONC	No	No	21617170	Ajaka Comprehensive Health Centre	Partially functional CEmONC	No	No	25.1	21022135	Holly Memorial Hospital	Partially functional CEmONC	27.4	82.5
21218209	Odo-Ere Cottage Hospital	Partially functional BEmONC	No	No	21216136	Yagba West Evangelical Church of West Africa (ECWA) Hospital, Egebe	Partially functional CEmONC	No	No	8.4	22122207	Itedo-Itunda General Hospital (Isanlu General Hospital)	Partially functional CEmONC	25.6	64.0
20808100	Felele Modern Primary Health Care Centre	Partially functional BEmONC	No	No	20825210	Lokoja Federal Medical Centre	Fully functional CEmONC	No	No	6.8	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	44.1	80.8
20808101	Owara Primary Health Centre	Partially functional BEmONC	No	No	20815181	Kogi State Specialist Hospital	Fully functional CEmONC	No	No	28.0	21301137	Aiyetoro ECWA Hospital	Partially functional CEmONC	46.8	104.8
21606169	Odolu General Hospital	Partially functional BEmONC	No	No	21617170	Ajaka Comprehensive Health Centre	Partially functional CEmONC	No	No	49.5	21919201	Okpo General Hospital	Not functional	75.4	154.8
20808092	Eto Primary Health Centre	Partially functional BEmONC	No	No	20825210	Lokoja Federal Medical Centre	Fully functional CEmONC	No	No	31.5	20205349	Ajaokuta Medical Centre	Partially functional CEmONC	68.8	130.4

## Annex 9 - Final indicators for the 3 groups of considered health facilities

### State of Ebonyi

Indicator	Current situation (Fully functional EmONC facilities)	Once the first phase of the MCSP has been implemented	If the MCSP gets extended to the other health facilities covered by the HFA and presenting at least one attended delivery
<b>State level</b>			
Number of EmONC facilities	4	59	133
Number of CEmONC facilities	3	10	14
Density of EmONC facilities (per 500,000 population)	0.73	10.82	24.39
Density of CEmONC facilities (per 500,000 population)	0.55	1.83	2.57
Accessibility coverage for BEmONC facilities	60.4% within 1 hour, 98.18% for 2 hours, 99.8% for 3 hours and 99.98% for 4 hours of travel time	97% (+36.6%) within 1 hour, 99.78% (+1.6%) within 2 hours, 99.94% (+0.14%) within 3 hours and 99.99% (+0.01%) within 4 hours of travel time	Does not result in any significant increase of accessibility coverage
Accessibility coverage for CEmONC facilities	Same results as for BEmONC facilities because 3 of the 4 fully functional BEmONC facilities are CEmONC facilities and the last one is located in the close vicinity of a CEmONC facility.	93.3% (+32.9%) within 1 hour, 99.51% (+1.3%) within 2 hours, 99.92% (+0.1%) within 3 hours and 99.99% (+0.01%) within 4 hours of travel time	Does not result in any significant increase of accessibility coverage
<b>LGA level</b>			
Density of EmONC facilities (per 1'000 pregnant women)	Important geographic disparities	Geographic disparities significantly reduced for both BEmONC and CEmONC facilities but the density of EmONC facilities would remain low in several LGAs (Ezza North, Ishielu, Ohaukwu and Onicha)	Density increased in 8 LGAs but remains the same, and therefore low, in Ezza North and Ohaukwu
Density of CEmONC facilities (per 1'000 pregnant women)	Important geographic disparities		The additional facilities increase the density of CEmONC facilities in the Southern part of the State but this does not play an important role due to the size of the State as per the result of the accessibility analysis
Accessibility coverage for BEmONC facilities	1. Only 3 LGAs (Abakaliki, Ebonyi and Ezza North) presents an accessibility coverage above the 90% coverage benchmark after 1 hour of travel time. This number pass to 13, and therefore all the LGAs observed in the State, when considering more than 1 hour of travel time. 2. The LGA of Ivo presents an accessibility coverage of 0% for 1 hour of travel time;	All the LGAs would present an accessibility coverage above the 90% and this independently from the travel time being considered	Does not result in any significant increase of coverage
Accessibility coverage for CEmONC facilities	Same observations than for BEmONC facilities	1. Nine (9) of the 13 LGAs passing the 90% coverage benchmark for 1 hour of travel time and all the LGAs to be above this benchmark from 2 hours of travel time; 2. The LGAs that present the highest gain in accessibility coverage compare to the current situation are: - Ohaozara (+93.22%), Afikpo North (87.88%), Ivo (+86.44%), Afikpo South (+79.29%) and Onicha (+48.37%) for 1 hour of travel time; - Afikpo South (+7.28%) and Ivo (+7.06%) for 2 hours of travel time;	Does not result in any significant increase of coverage
Referral between each BEmONC and the nearest CEmONC facility	The only fully functional BEmONC facility (Ephuenyim Health Centre) finds itself at less 24 minutes away from the nearest fully functional CEmONC facility (St Vincent (Ndubia) Mission Hospital) and do have a functioning motor vehicle on site. This centre could therefore refer patients in less than 2 hours in case of complication during delivery	1. When taking the current availability of functioning motorized vehicle and communication media (phone) into account as per the HFA: - All the patients needing to be referred can reach the nearest CEmONC within 2 hours of travel time. Mean referral time: 37.4 minutes; - The BEmONC facility that would finds itself the furthest away from a CEmONC facility is the Nkalaha Health Centre with 113 minutes. 2. If a functioning motorized vehicle and/or phone was available at the site of each BEmONC and some CEmONC facilities: - A gain of time varying between 1.7 and 70.8 minutes would be observed for 37 health facilities with a mean value of 29.5 minutes if a functioning vehicle was on site of all BEmONC facilities; - The referral time would be reduce by 30 minutes for 18 facilities if all the BEmONC facilities would have a functioning phone at disposal on site; - Adding a functioning phone on site of few CEmONC facilities (Elinwobu General Hospital, Mile hospital, Offiaoji Health Centre and Unique Clinic) would further reduce referral time for an additional 5 BEmONC facilities with a gain of time varying between 2.7 and 22.9 minutes and a mean value of 12 minutes.	1. When taking the current availability of functioning motorized vehicle and communication media (phone) into account as per the HFA: - All the patients needing to be referred can reach the nearest CEmONC within 2 hours of travel time. Mean referral time: 41 minutes; - Nkalaha Health Centre would remain the BEmONC facility being the furthest away from a CEmONC facility with 113 minutes. 2. If a functioning motorized vehicle and/or phone was available at the site of each BEmONC and some CEmONC facilities: - A gain of time varying between 1.7 and 70.9 minutes would be observed for 102 health facilities with a mean value of 33.7 minutes if a functioning vehicle was on site of all BEmONC facilities; - The referral time would be reduce by 30 minutes for 68 facilities if all the BEmONC facilities would have a functioning phone at disposal on site; - Adding a functioning phone on site of few CEmONC facilities (Abakaliki Federal Teaching Hospital, Rural Improvement Mission Hospital, Sudan United Mission Hospital, St Vincent (Ndubia)) would further reduce referral time for an additional 15 BEmONC facilities with an additional gain of time varying between 3.3 and 22.9 minutes and with a mean value of 12.2 minutes

## Nigeria - Accessibility to EmONC facilities for the States of Ebonyi and Kogi

### State of Kogi

Indicator	Current situation (Fully functional EmONC facilities)	Once the first phase of the MCSP has been implemented	If the MCSP gets extended to the other health facilities covered by the HFA and presenting at least one attended delivery
<b>State level</b>			
Number of EmONC facilities	5	61	163
Number of CEmONC facilities	5	21	29
Density of EmONC facilities (per 500,000 population)	0.59	7.21	19.28
Density of CEmONC facilities (per 500,000 population)	0.59	2.48	3.43
Accessibility coverage for BEmONC facilities	55.02% within 1 hour, 82.09% within 2 hours, 91.64% within 3 hours and 95.27% within 4 hours of travel time	75.93% (+20.91%) within 1 hour, 90.03% (+7.94%) within 2 hours, 94.72% (+3.08%) within 3 hours and 97.05% (+1.78%) within 4 hours of travel time	78.8% (+2.9%) within 1 hour, 90.71% (+0.68%) within 2 hours, 94.92% (+0.2%) within 3 hours and 97.14% (+0.09%) within 4 hours of travel time
Accessibility coverage for CEmONC facilities	Same results as for BEmONC facilities because all the 5 BEmONC facilities are also CEmONC facilities	70.31% (+15.29%) within 1 hour, 87.15% (+5.05%) within 2 hours, 93.85% (+2.21%) within 3 hours and 96.63% (+1.36%) within 4 hours of travel time	The addition of some facilities (Ajaka Comprehensive Health Centre, Ogonbicha Eye Hospital and Onyedega Cottage Hospital) would make the State be at less than 1% from reaching the 90% coverage benchmark for 2 hours of travel time
<b>LGA level</b>			
Density of EMONC facilities (per 1'000 pregnant women)	Important geographic disparities	Geographic disparities significantly reduced but the density of these facilities would remain particularly low in several LGAs (Igalamela-Odolu, Okehi, Okene, Olamabolo, Omala and Yagba West)	Density increased in 18 LGAs but remains unchanged and particularly low in Olamabolo
Density of CEMONC facilities (per 1'000 pregnant women)	Important geographic disparities	Disparities are reduced but the gap remain in the Southern (Ibaji, Idah and Igalamela-Odolu LGAs) and Northern (Lokoja) parts of the State	Gap in the Southern part of the State is being addressed but some areas in Lokoja remains far from a CEmONC facility
Accessibility coverage for BEmONC facilities	<p>1. Only three (3) LGAs (Adavi, Ogori/Mangongo and Okene) presents an accessibility coverage above the 90% coverage benchmark after 1 hour of travel time. This number pass to 9 when considering 2 hours of travel time, 15 for 3 hours and 16 for 4 hours;</p> <p>2. Four (4) LGAs (Ibaji, Idah, Yagba East and Yagba West), located in the North West and South West part of the State, present an accessibility coverage of 0% for 1 hour of travel time. This number reduces 0 when considering the other travel times;</p> <p>3. The LGA remaining below the 90% coverage benchmark even after 4 hours of travel times are: Kabba/Bunu, Lokoja, Mopa-Muro, Yagba East and Yagba West which presents the lowest value with 70.91%. Ibaji does itself reach the 90% coverage benchmark between 3 and 4 hours of travel time.</p>	<p>1. Six (6) LGAs will be above the 90% coverage benchmark for 1 hour of travel time. This number pass to 11 for 2 hours, 16 for 3 hours and 18 for 4 hours;</p> <p>2. Two (2) LGAs (Ibaji and Lokoja) present an accessibility coverage below 50% and 9 others (Bassa, Igalamela-Odolu, Kabba/Bunu, Kogi, Mopa-Muro, Okehi, Omala, Yagba East and Yagba West) between 50 and 75% for 1 hour of travel time. This number would reduce to 3 LGAs remaining between 50% and 75% after 2 hours (Lokoja, Mopa-Muro and Yagba West);</p> <p>3. The three (3) LGAs remaining below the 90% coverage benchmark after 4 hours of travel time are: Mopa-Muro, Yagba Est and Yagba West with once more the lowest value (80.16%).</p>	<p>1. Significant improvement in accessibility coverage in several LGAs including Ibaji (+15.43%), Igalamela-Odolu (+12.58%) and Omala (+8.78%) for 1 hour of travel time. The gain in coverage for these LGAs remains also significant for 2 hours of travel time</p> <p>2. Some of the facilities responsible for such a gain, in particular Ajaka Comprehensive Health Centre, Awulu Primary Health Centre, Odolu General Hospital, Olla General Hospital and Onyedega Cottage Hospital, could therefore also be considered for inclusion in the MCSP.</p>
Accessibility coverage for CEmONC facilities	Same results as for BEmONC facilities because all the 5 BEmONC facilities are also CEmONC facilities	<p>1. Increase of the number of LGAs passing the 90% coverage benchmark for 2 (+1 LGA) and 4 (+2 LGAs) hours of travel time. For 1 and 3 hours of travel time this number does not change;</p> <p>2. A LGA (Ibaji) still present an accessibility coverage of 0% when considering 1 hour of travel time. This is not the case anymore from 2 hours of travel time;</p> <p>3. The LGAs that present the highest gain in accessibility coverage compare to the current situation are: - Idah (+67.08%), Yagba East (+62.35%), Yagba West (+51.74%), Igalamela-Odolu (+41.45%), Omala (+36.9%), Mopa-Muro (+30.63%), Bassa (+27.18%) and Kogi (+22.83%) for 1 hour of travel time; - Yagba West (+22.74%), Omala (+16.64%), Yagba East (+16.64%), Mopa-Muro (+15.07%) and Ibaji (+13.52%) for 2 hours of travel time; - Yagba West (+12.59%) and Mopa-Muro (+10.55%) for 3 hours of travel time.</p> <p>4. Five (5) LGAs remain below the 90% coverage benchmark after 2 hours of travel time: Kabba/Bunu, Mopa-Moru, Yagba West, Lokoja and Ibaji with the lowest value (43.88%). This number reduces to 1 LGA (Yagba West) when considering 3 hours of travel time. The gap in accessibility coverage currently observed in both Ibaji and Yagba West is therefore not fully addressed through the implementation of the 1 phase of the MCSP.</p>	<p>1. One additional LGA to reach the 90% coverage benchmark for 1 hour (Idah) and for 2 hours (Igalamela-Odolu) of travel time;</p> <p>2. An additional significant increase in accessibility coverage for the following LGAs: - Ibaji (+58.28%), Idah (+32.65%) and Igalamela-Odolu (+20.03%) for 1 hour of travel time; - Ibaji (+42.97%) and Igalamela-Odolu (10.91%) for 2 hours of travel time.</p> <p>3. The facilities responsible for such gain (Ajaka Comprehensive Health Centre, Maka Clinic, Ogonbicha Eye Clinic and Onyedega Cottage Hospital) could therefore also be considered for inclusion in the MCSP.</p> <p>4. The 3 LGAs that remains below 75% of coverage are Lokoja, Mopa-Muro and Yagba West.</p>
Referral between each BEmONC and the nearest CEmONC facility	All the BEmONC facilities being also CEmONC facilities the patients are already on site in case of complication	<p>1. When taking the current availability of functioning motorized vehicle and communication media (phone) into account as per the HFA: - The patients from 55 BEmONC facilities (90.1%) can reach the nearest CEmONC within 2 hours of travel time. Mean referral time: 48 minutes; - For the remaining 6 BEmONC facilities the referral time varies between 2.2 and 3.1 hours (Idah General Hospital). The facilities in question are all located in the Southern part of the State</p> <p>2. If a functioning motorized vehicle and/or phone was available at the site of each BEmONC and some CEmONC facilities: - The patients from all BEmONC facilities referred in less than two hours and a gain of time varying between 3.3 and 106.55 minutes would be observed for 36 health facilities with a mean value of 55.64 minutes if a functioning motor vehicle was on site of all BEmONC facilities; - The patient from 57 BEmONC facilities being referred in less than 2 hours and the referral time being reduced by 30 minutes for 22 facilities if all the BEmONC facilities would have a functioning phone at disposal on site; - Adding a functioning phone on site of few CEmONC facilities (Aiyetoro ECWA Hospital, Ajaokuta Medical Centre, Enewe-Opada Cottage Hospital and Sheria Catholic Mission Hospital) does not increase the number of BEmONC referring patients in less than 2 hours but would reduce referral time for an additional 12 BEmONC facilities with a gain of time varying between 4.4 and 30 min and with a mean value of 21 minutes;</p>	<p>1. When taking the current availability of functioning motorized vehicle and communication media (phone) into account as per the HFA: - The patients from 154 BEmONC facilities (94.4%) can reach the nearest CEmONC within 2 hours of travel time. Mean referral time: 56.6 minutes; - For the remaining 9 BEmONC facilities the referral time varies between 2.01 and 2.5 hours (Odolu General Hospital). The facilities in question are all located in different parts of the State; - 3 of the 6 BEmONC facilities that would still find themselves further away than 2 hours from a CEmONC facility after implementing the MCSP (Angwa Primary Health Centre, Ichala Ajode Primary Health Centre and Idah General Hospital) would now reach such facility in less than 2 hours.</p> <p>2. If a functioning motorized vehicle and/or phone was available at the site of each BEmONC and some CEmONC facilities: - All patient referred within 2 hours of travel time and a gain of time varying between 1.96 and 106.55 minutes would be observed for 120 health facilities with a mean value of 59.36 minutes if a functioning vehicle was on site of all BEmONC facilities; - 162 BEmONC facilities within 2 hours of travel time in case of referral and the referral travel time reduce by 30 minutes for 55 facilities if all the BEmONC facilities would have a functioning phone at disposal on site; - Adding a functioning phone on site of few CEmONC facilities (Aiyetoro ECWA Hospital, Ajaokuta Medical Centre, Holly Memorial Hospital and Sheria Catholic Mission Hospital) does not increase the number of BEmONC referring patients in less than 2 hours but would further reduce referral time for an additional 35 BEmONC facilities with a gain of time varying between 3.4 and 30 minutes and with a mean value of 24.4 minutes</p>