



Medical Mission Institute Würzburg

Catholic Advisory Organisation for International Health

... health for all.



Report visit health facilities

Catholic Diocese of Makurdi Nigeria

26th April to 1st May 2017

For Caritas-Augsburg, Germany

Introduction

The Catholic Diocese of Makurdi owns several health facilities. Some are not functional at the moment, due to recent violent clashes between pastoralists and farmers in the region. Many farmers fled their villages and do not dare to go back and the health facilities in these regions have been closed (temporarily?). The contribution of the Catholic Diocese to the overall health care services in the region is considerable.

Caritas Augsburg was approached by the Catholic Diocese of Makurdi to assist them with the renovation and rehabilitation of the health care services. Caritas Augsburg asked the Medical Mission Institute to make a rapid assessment of the main problems in the facilities, especially an assessment of the condition of the available equipment and to make an inventory of the missing equipment. The assessment was made in the period 26th April to 1st May 2017. The assessment was made by a consultant from the Medical Mission Institute, together with the Health Coordinator of Makurdi Diocese, Fr Peter Paleve.

Several facilities were visited and discussions were held with the management and an inspection tour was made in the facilities. One functional health facility was not visited (time) and three facilities were visited that were still under construction. Two of these not yet operational facilities will not be included in the report as it is unlikely they will become operational within the next couple of years. One facility that is operational is also not included as the facility was practically not functioning as the local community simply did not utilise the services.

The overall infrastructure of the visited health facilities (with one exception, St. Francis primary health care in Agagbe) was in reasonable or good condition and the diocese is currently renovating one facility (Fr. Mathias Hospital in Naka). Electricity is a problem in all facilities, except in Bishop Murray Medical Centre. The electricity supply in all other facilities is either completely absent (St Francis) or continuously interrupted for up to several days. Water supply is another major problem, affecting all diocesan health facilities. The installation of solar equipment systems (at least for the essential departments in the facilities such as laboratory, theatre, maternity and MCH unit) and addressing the water supply issues are two main priorities for improving the functionality of the health care services in the diocese.

Much of the equipment is either in a poor condition or is missing and there is an urgent need to address this.

The following pictures of equipment in various facilities can be regarded as common examples:



Sterilising instruments



Baby weighing scale



Matrass in poor condition

For the following facilities lists are made with equipment that either should be replaced or that is missing. The facilities are:

- St. Gregory's Hospital in Ikpayongo
- Bishop Murray Medical Centre in Makurdi
- St. Vincent's Hospital in Aliade
- Fr. Mathias Hospital in Naka
- St. Peter's clinic in Aondoana



Wooden table used as delivery bed



Appropriate technology



Laboratory



Broken water reservoir

As mentioned above, most of the infrastructure (buildings) is in good condition, although some renovations are needed. The Diocese has already started and the renovations are therefore not part of the plan.

A short description of the five included facilities is given on the next pages including the lists of required investments and equipment.

Würzburg, June 2017
Piet Reijer MD MPH

St. Gregory's Hospital Ikpayongo

Introduction: (info from *"The Integrated Health Programme Catholic Diocese of Makurdi (IHP CDM)"*)

St. Gregory's Hospital in Ikpayongo is one of the health facilities of IHP Catholic Diocese of Makurdi. It is situated in Mbasombu council ward, Gwer-East local Government of Benue state. It was established in 2005 as health centre and commissioned in 2012. The facility was upgraded from health centre to a hospital in August 2013. It has a bed capacity of 30 beds. The facility has a total of 30 staff (male 12, female 18, including two residential doctors).

The facility provide services to Gwer community (Mbasombu), these services includes: Treatment of illness and sickness, Theatre services, maternity services, HCT services, ART services, DOT services and referral services. Attached is the Data summary of IHP health care services for 2016.

The workload for St Gregory's Hospital for 2016 is including:

- Total number of out-patients: 2,112
- Total number of admissions (inpatients): 816
- Bed occupancy rate: not calculated
- Total number of vertex deliveries: 131
- Total number of Lower Segment Caesarean Section (LSCS): 20
- First ANC attendees: 283
- ANC with at least 4 visits: 235 (83%)
- BCG vaccination: 161
- OPV3 vaccination: 128
- Measles vaccination: 111 (69% of those who received BCG)
- Fully covered under 12 months: 111

Inspection:



No water



Generator

The overall accommodation is insufficient. Both the IPD and the OPD needs renovations, The ART centre is very small in relation to the workload and the clients have little privacy (proper counselling will be difficult if not impossible). The theatre lacks a lot of equipment and needs renovation, the maternity also needs additional equipment.



Water supply is a major problem. The boreholes are dry. Electricity supply is also a big problem, as most of the time the supply comes from the generator. The expenditure for diesel is hampering the functionality of the facility.

The quality of the hospital beds and in particular the mattresses are not appropriate for a hospital.

The following investments/equipment is recommended for the hospital:

A. General

- Solar system that guarantees 24 hrs a day electricity supply to the Theatre, Maternity and Laboratory (solar panels plus batteries)
- New borehole plus water reservoir for at least 15,000 litre

B. Out-patient Department

- Adult Sphygmomanometer (2)
- Paediatric Sphygmomanometer (1)
- Digital Thermometer (10)
- Stethoscope (3)
- Diagnostic set (Ophthalmoscope and otoscope) (2)
- Oxygen concentrator (1)
- Suturing pack (3)
- Adult weighing scale (2)
- Hanging spring weighing scale for children (2)
- Privacy screens/room dividers (2)

C. Theatre

- Autoclave (1)
- Autoclave drums (4)

- Sterilisation pot (1)
- Caesarean section instruments set (1)
- Appendectomy instruments set (1)
- Laparotomy instruments set (1)
- Hernia surgery instruments set (2)
- Anaesthesia machine (1)
- Suction machine (1)
- Oxygen concentrator (1)
- Pulse oximeter (1)
- Theatre table (hydraulic, non-electric) (1)
- Theatre lights (ceiling, LED) (1)
- Stethoscope (2)
- Patient trolley (1)
- Baby resuscitaire (1)

D. Laboratory

- Micro haematocrit (universal) centrifuge (1)
- PCR Based Equipment for Viral Load Assay (1)¹
- Automated haematology analyser (1)
- Chest refrigerator (1)
- Blood bank (fridge) (1)
- Binocular microscope (1)

E. Maternity department

- Delivery bed (2)
- Delivery instruments set (3)
- Suction machine (1)
- Resuscitaire (1)
- Cadiotocographic Machine (1)
- Infantometer (1)
- Artificial Resuscitator (Ambu Type Bag), infant sizes (1 set)
- Foetal Doppler (3)

F. In-patient Department

- Adjustable hospital beds (hydraulic) (30)
- Hospital bed mattresses (foam, waterproof) (30)
- Waterproof hospital pillow (30)
- Hospital drawer (30)

¹ Our Laboratory consultant is looking for the most appropriate equipment for the three facilities that are in need of this equipment

- Oxygen contractor (1)
- Suction machine (1)
- Adult Sphygmomanometer (2)
- Paediatric Sphygmomanometer (1)
- Drip stands (5)
- Privacy screens/room dividers (5)

Bishop Murray Medical Centre Makurdi.

Introduction: (info from *“The Integrated Health Programme Catholic Diocese of Makurdi (IHP CDM)”*)

The Establishment of Bishop Murray Medical Centre Makurdi was initiated by the then Bishop of the Catholic Diocese of Makurdi, Bishop Donald Murray CSSp, on October, 10th 1969 and commissioned in 1970 with bed capacity of 30 beds, then the identity of the hospital was St. Theresa’s Dispensary and Maternity Makurdi. The facility expanded to 82 beds in 1988.

In 1999 Most Reverend (Dr) Bishop Athanasius Atule Usuh changed the name of St. Theresa’s Dispensary and Maternity Makurdi to Bishop Murray Medical Centre, Makurdi as a mark of honour to the then Bishop who initiated the establishment of the hospital at this time it expanded to 104 beds.

The first people to manage this clinic were two English ladies by name Elizabeth Robertshaw and Margaret West. They were from Voluntary Mission Movement. These pioneer Nurses/Midwives worked together with the assistance of the host community in Makurdi town and rural areas. This was the beginning of the journey starting with these two white missionary sisters to this present day.

The hospital now has five resident doctors, four visiting consultants and two hundred staff, this has facilitated effective health care services provision. Bishop covers a population of 194, 954 populace (2006 Census).

Some of the services rendered by our BMMC include but not limited to the following: General forms of medicine such in Internal Medicine and Surgery, Obstetrics and Gynaecology, Paediatrics and Child welfare, Optometric, Antenatal and Maternity services, Laboratory investigations, Radiological investigations and diagnostics services etc.

In 2016 the hospital provided health services to 13,726 (male 5694, 8032femal) and ART services to clients 4,764. Currently the BMMC has 124 beds for inpatients.

To provide quality services, IHP planned to establish Dialysis unit in Bishop Murray Medical Centre Makurdi the capital of Benue state. The state has one dialysis unit at Benue state teaching hospital Makurdi but demand for its services is much that the accessibility of its services is a challenge due to high demand.

This makes it necessary for the Diocese to procure one dialyser to kick start the dialysis unit in Bishop Murray Medical Centre Makurdi.

The workload for Bishop Murray medical Centre for 2016 is including:

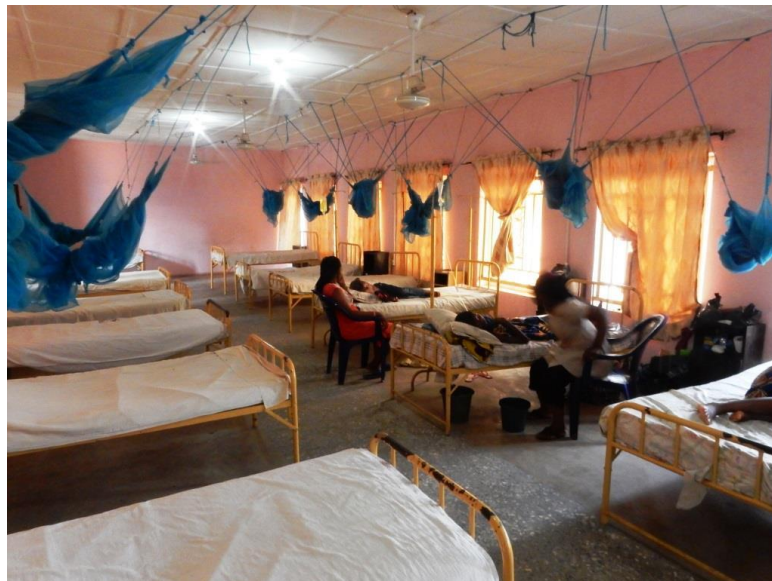
- Total number of out-patients: 13,726
- Total number of admissions (inpatients): 2143
- Bed occupancy rate: not calculated
- Total number of deliveries: 889
- Total number of Lower Segment Caesarean Section (LSCS): 124

- First ANC attendees: 1515
- ANC with at least 4 visits: not indicated
- BCG vaccination: 827
- OPV3 vaccination: 684
- Measles vaccination: 598 (67% of those who received BCG)
- Fully covered under 12 months: 410

Inspection:

The BMMI is the only health facility in the diocese that has a good electricity supply, due to its location in town. Sporadically the generator is used. The water supply on the other hand is a major problem. The water shortage appears to be a structural problem in the area, as the water level has dropped so far that drilling of boreholes locally is not feasible anymore. The water supply from the municipality is poor and often water has to be supplied from outside. A feasibility study should be considered to look into this problem and possible solutions. This goes beyond the scope of the current assessment.

The infrastructure of the hospital is good. The buildings are in good condition. However, most of the beds and mattresses are old and need replacement.



Overview of the female ward; old beds and mattresses, but each bed has a bed net.

Medical equipment is in short supply and many of the items that are available are old and in poor condition. The working conditions for some departments are rather harsh, especially in the summer months when the temperature is daily well over 35 degrees centigrade. Some of the rooms are extremely hot, e.g. in the OPD and an air-conditioning in the examination rooms is required.

The hospital plans a dialysis department with (at least) four units. Discussions are planned with a German company in June 2017, who has assisted a mission hospital in Tanzania already. The equipment for this department is therefore not included (for the time being).

A. General

- Water supply system and storage facilities for at least 50,000 litres of water
- New X-Ray equipment

B. Out-patient Department

- Adult Sphygmomanometer (3)
- Paediatric Sphygmomanometer (1)
- Digital Thermometer (25)
- Stethoscope (7)
- Diagnostic set (ophthalmoscope and otoscope) (2)
- Oxygen concentrator (1)
- Suturing pack (5)
- Adult weighing scale (5)
- Hanging spring weighing scale for children (2)
- Privacy screens/room dividers (2)
- Wheelchair (3)
- Examination couch (5)
- Small sterilizer (1)
- Air-co (wall) (8)
- Suction machine (2)
- Nebulizer (2)

C. Theatre

- Autoclave (2)
- Caesarean section instruments set (5)
- Orthopaedic instruments set (1)
- Paediatric instruments set (2)
- Anaesthesia machine (1)
- Suction machine (1)
- Oxygen concentrator (1)
- Pulse oximeter (1)
- Theatre table (hydraulic, manual) (2)
- Theatre lights (ceiling, LED) (2)
- Stethoscope (2)
- Patient trolley (2)
- Baby resuscitaire (1)
- Wall Air-conditioner (3)
- Patient monitor for theatre (2)

D. Laboratory

- PCR Based Equipment for Viral Load Assay (1)
- Micro haematocrit (universal) centrifuge (1)
- Elisa Machine (1)
- Automated haematology analyser (1)
- Automated Electrolyte analyser (1)
- Automated Biochemistry analyser (1)
- Autoclave for culture media sterilisation (1)
- Chest refrigerator (1)
- Blood bank (fridge) (1)

E. Maternity department

- Delivery bed (3)
- Baby cot (3)
- Oxygen concentrator (1)
- Delivery instruments set (3)
- Suction machine (2)
- Resuscitaire (2)
- Examination Couch (3)
- Mobile spotlight (suturing episiotomy/tear) (2)
- Ultrasound Machine (1)
- Infant weighing scale (2)
- Episiotomy scissors (5)
- Suturing sets (5)
- Wheel chairs (2)
- Cadiotocographic Machine (1)
- Sphygmomanometer (4)
- Stethoscope (4)
- Adjustable hospital beds (hydraulic) (12)
- Hospital bed mattresses (foam, waterproof) (12)
- Waterproof hospital pillow (12)
- Drawers (12)
- Foetal Doppler (3)

F. In-patient Department

- Adjustable hospital beds (hydraulic) (70)
- Hospital bed mattresses (foam, waterproof) (70)
- Hospital drawer (70)
- Stretcher (4)

- Oxygen concentrator (3)
- Drip Stands (30)
- Kidney dishes (10)
- Dissecting forceps (10)
- Bandage Scissors (10)
- Gallipots (10)
- Suction machine (4)
- Cardiac hospital bed (hydraulic, manual) (10)
- Matrass for cardiac bed (10)
- Drawers (10)
- Orthopaedic bed (8)
- Matrasses for orthopaedic bed (8)
- Drawers (8)
- Trolley (6)
- Sphygmomanometer (7)
- Stethoscope (10)
- Suturing instruments set (4)
- Privacy screens/room dividers (10)
- Wheel chair (6)
- Autoclave drum (1)

G. Paediatric ward

- Children's Weighing Scale (2)
- Paediatric Sphygmomanometer (3)
- Stethoscope (5)
- Oxygen concentrator (1)
- Tourniquet (4)
- Adjustable hospital beds (hydraulic, manual, adult size) (17)
- Hospital bed matrasses (foam, waterproof) (17)
- Hospital drawer (17)
- Cardiac hospital bed, adult size (manual, hydraulic) (4)
- Matrasses for cardiac bed (4)
- Drawers (4)
- Stretcher (2)
- Privacy screens/room dividers (3)
- Drip stands (10)

H. Pharmacy

- Refrigerator (1)
- Air conditioners (2)
- Counting tray with spatulas (for pills/tablets) (10)

I. Eye Unit

- Auto-refractor meter (1)
- Ophthalmoscope (2)
- Tonometer (2)
- Phoropter (1)
- Retinoscope (1)

St. Vincent's Hospital Aliade.

Introduction: (info from *"The Integrated Health Programme Catholic Diocese of Makurdi (IHP CDM)"*)

St. Vincent's Hospital in Aliade was built in 1974 in Mbalav council ward of Gwer-East Local government, Benue state of Nigeria. It was commissioned on the 2nd May 1975 with bed capacity of 30 beds and expanded to 75 beds in 1982. Currently the facility have a bed capacity of 163 (including beds allocated for MDR Tuberculosis patients) with staff strength of 176 staff which comprises of 4 medical Doctors, one pharmacist, one medical laboratory scientist, 14 Nurses and other staff including community health workers and administrative staff.

The facility is a secondary health facility that covers 4 council wards of Gwer Local government and their neighbouring communities, with estimated population of 67,464 (1991 census). In January – December 2016, St. Vincent's hospital provide health services to 9,942 (male 4,723, female 5,219) patients. The facility used her already existing structures to provide the health services to the above mentioned data.

Inspection:

The buildings are in good shape and well maintained. There are two large water reservoirs with a capacity in each of approximately 200 m³ (estimated). Both reservoirs were almost empty. The water supply is a problem in the hospital, as the water level near the hospital is too low to drill a good functioning borehole. At some distance from the hospital drilling one or more boreholes is possible, but the pipes and pumps are costly.

Electricity supply is often interrupted and unsteady. The hospital bill for diesel is high and a solar supply system would be a good alternative. This will ensure a steady electricity supply and will reduce the diesel expenditure (and the CO₂ production).

The quality of the beds and mattresses is poor. Basically all should be replaced by hydraulic (manual) hospital bed with waterproof foam mattresses (hospital type). Each bed should have a drawer. Much of the essential equipment is old or absent and the functionality of the hospital can be improved by the purchase of essential equipment as per list.



Old delivery bed



Bloodbank fridge with too high temeparature

The OPD and IPD data are very low and are not in line with the observations made during the visit. There is massive underreporting of data at the hospital. The vaccination data appear to be more precise.

The workload for St Vincent Hospital for 2016 is including:

- Total number of out-patients: 4,118
- Total number of admissions (inpatients): 1320
- Bed occupancy rate: not calculated
- Total number of deliveries: 402
- Total number of Lower Segment Caesarean Section (LSCS): 68
- First ANC attendees: 495
- ANC with at least 4 visits: 212 (43% of the number of first attendees)
- BCG vaccination: 404
- OPV3 vaccination: 411
- Measles vaccination: 435 (>100% of those who received BCG)
- Fully covered under 12 months: 407

Equipment needed:

B. General

- Water supply system and storage facilities for at least 50,000 litres of water
- New X-Ray equipment

C. Out-patient Department

- Adult Sphygmomanometer (5)
- Paediatric Sphygmomanometer (1)
- Digital Thermometer (25)
- Stethoscope (7)
- Oxygen concentrator (1)
- Adult weighing scale (5)
- Hanging spring weighing scale for children (2)
- Privacy screens/room dividers (2)
- Examination couch (7)
- Air-co (wall) (4)
- Wheel chair (4)

D. Theatre

- Autoclave (2)
- Patient monitor for theatre (2)
- Caesarean section instruments set (5)
- Orthopaedic instruments set (2)

- Paediatric instruments set (2)
- Diathermy Pencils (100)
- Diathermy pads (100)
- Anaesthesia machine (1)
- Suction machine (1)
- Oxygen concentrator (1)
- Pulse oximeter (1)
- Theatre table (hydraulic, manual) (2)
- Theatre lights (ceiling, LED) (2)
- Refrigerator (1)
- Stretcher (2)
- Baby resuscitaire (1)
- Wall Air-conditioner (3)
- Operation gowns (30)
- Theatre boots (15)

E. Laboratory

- PCR Based Equipment for Viral Load Assay (1)
- Micro haematocrit (universal) centrifuge (1)
- Automated Haematology analyser (1)
- Automated Electrolyte analyser (1)
- Automated Biochemistry analyser (1)
- Autoclave for culture media sterilisation (1)
- Water bath (1)

F. Maternity department

- Delivery bed (3)
- Oxygen concentrator (1)
- Delivery instruments set (3)
- Suction machine (2)
- Cadiotocographic Machine (1)
- Resuscitaire (2)
- Examination Couch (3)
- Mobile spotlight (suturing episiotomy/tear) (2)
- Ultrasound Machine (1)
- Infant weighing scale (2)
- Adult weighing scale (2)
- Episiotomy scissors (5)
- Suturing sets (5)
- Wheel chairs (2)
- Adjustable hospital beds (hydraulic, manual) (10)

- Hospital bed mattresses (foam, waterproof) (10)
- Drawers (10)
- Foetal Doppler (2)

G. In-patient Department

- Adjustable hospital beds (hydraulic) (70)
- Hospital bed mattresses (foam, waterproof) (70)
- Hospital waterproof pillows (70)
- Hospital drawer (70)
- Stretcher (4)
- Oxygen concentrator (4)
- Drip Stands (40)
- Kidney dishes (10)
- Gallipots (10)
- Suction machine (4)
- Cardiac hospital bed (hydraulic, manual) (10)
- Mattress for cardiac bed (10)
- Waterproof pillow (10)
- Drawers (10)
- Orthopaedic bed (8)
- Mattresses for orthopaedic bed (8)
- Waterproof Pillow (8)
- Drawers (8)
- Trolley (2)
- Dissecting forceps (10)
- Bandage Scissors (10)
- Suturing sets (3)
- Sphygmomanometer (7)
- Stethoscope (7)
- Wheel chair (4)
- Autoclave drum (4)
- Privacy screens/room dividers (8)

H. Paediatric ward

- Children's Weighing Scale (2)
- Paediatric Sphygmomanometer (3)
- Stethoscope (5)
- Oxygen concentrator (1)
- Tourniquet (4)
- Adjustable hospital beds (hydraulic, manual, adult size) (14)
- Hospital bed mattresses (foam, waterproof) (14)

- Waterproof pillow (14)
- Hospital drawer (14)
- Cardiac hospital bed, adult size (manual, hydraulic) (4)
- Matrasses for cardiac bed (4)
- Drawers (4)
- Stretcher (2)
- Privacy screens/room dividers (3)
- Drip stands (10)
- Wheel chair (2)

J. Pharmacy

- Refrigerator (1)
- Air conditioners (4)
- Counting tray with spatulas (for pills/tablets) (10)
- Mortar and Pestle (1)

I. Chest ward (MDR Tuberculosis)

- Oxygen concentrator (2)
- Hospital beds (hydraulic, manual) (45)
- Hospital bed matrasses (foam, waterproof) (45)
- Hospital waterproof pillows (45)
- Hospital drawer (45)
- Drip stands (20)
- Nebulizing machine (2)
- Sphygmomanometer (4)
- Stethoscope (4)
- Large drug cabinet (1)
- Trolley (2)
- Bed pans (10)
- Dressing pack (4)
- Privacy screens/room dividers (4)
- Mucus extractor (12)

Fr. Mathias Hospital Naka.

Introduction: (info from *“The Integrated Health Programme Catholic Diocese of Makurdi (IHP CDM)”*)

Fr. Mathias hospital in Naka was established in 1983 as primary health care unit with the bed capacity of 7 beds. It is one of the health facilities of IHP Catholic Diocese of Makurdi. It is situated in Ikyaghev council ward, Gwer-West local Government of Benue state. The facility was expanded to 30 beds in 1994.

Currently the facility has a total of 30 staff, Male 13, Female 7.

The facility covers a population of 18,231 and provides the following services: Treatment of illness and sickness, immunization, Theatre services, maternity services, HCT services, PMTCT services, ART services and referral services. Attached is the Data summary of IHP health care services for 2016.

The diocese is in the process of renovating the entire hospital, including the house for the resident Doctor. The current Doctor –in-charge from Bishop Murray Medical Centre, who has worked in the past in Fr. Mathias Hospital will be the new residential doctor. She will be transferred in the coming months, once the renovation is completed.

The workload data for the hospital for 2016 are not representative for the actual activities, as most of the year the facility was not operational due to the renovation.

Inspection:

Upon completion of the renovation, the Hospital will be a nice and spacy facility. The facility will have rain gutters for water collection, as water and electricity like in almost all other diocesan health facilities is a major problem that needs to be addressed. Not all equipment could be inspected, as much of it was stored, but e.g. the theatre table was in a good condition. The theatre lights however were basically absent (see picture).



Renovation still in progress



Theatre lights (...) theatre will be renovated



In several facilities similar safety cabinets were seen, but none of them was operational. It seems that the fans that create the low air pressure in the cabinet are not functioning. As the cabinets itself are in a good position, there is no need to replace them, but they should be repaired.

The workload for St Vincent Hospital for 2016 is including:

- Total number of out-patients: 1,276
- Total number of admissions (inpatients): N/A
- Total number of deliveries: 111
- Total number of Lower Segment Caesarean Section (LSCS): 9
- First ANC attendees: 248
- ANC with at least 4 visits: 133 (43% of the number of first attendees)
- BCG vaccination: 304
- OPV3 vaccination: 524
- Measles vaccination: 309 (>100% of those who received BCG)
- Fully covered under 12 months: 307

Equipment needed:

C. General

- Water supply system and storage facilities for at least 50,000 litres of water
- New X-Ray equipment
- Solar system for the entire hospital

D. Out-patient Department

- Adult Sphygmomanometer (3)
- Paediatric Sphygmomanometer (2)
- Digital Thermometer (10)
- Oxygen concentrator (1)
- Adult weighing scale (2)

- Hanging spring weighing scale for children (2)
- Privacy screens/room dividers (2)
- Examination couch (2)
- Air-co (wall) (2)
- Suction machine

E. Theatre

- Autoclave (1)
- Autoclave drums (4)
- Autoclave pots (4)
- Patient monitor for theatre (2)
- Caesarean section instruments set (3)
- Laparotomy instruments set (3)
- Hernia repair instruments set (2)
- Anaesthesia machine (1)
- Suction machine (1)
- Oxygen concentrator (1)
- Pulse oximeter (1)
- Theatre lights (ceiling, LED) (1)
- Stretcher (2)
- Baby resuscitaire (1)
- Wall Air-conditioner (3)

F. Laboratory

- Micro haematocrit (universal) centrifuge (1)
- Automated Haematology analyser (1)
- Binocular microscope (1)
- Automated Biochemistry analyser (1)
- Small autoclave (1)
- Water bath (1)
- Refrigerator (1)

G. Maternity department

- Delivery bed (2)
- Delivery instruments set (5)
- Oxygen concentrator (1)
- Delivery instruments set (3)
- Suction machine (2)
- Cadiotocographic Machine (1)
- Resuscitaire (1)

- Mobile spotlight (suturing episiotomy/tear) (1)
- Infant weighing scale (2)
- Adult weighing scale (2)
- Episiotomy scissors (5)
- Suturing sets (5)
- Wheel chair (1)
- Foetal Doppler (2)
- Apron (5)
- Sphygmomanometer (3)
- Stethoscope (2)

I. In-patient Department

- Adjustable hospital beds (hydraulic) (42)
- Hospital bed mattresses (foam, waterproof) (42)
- Hospital waterproof pillows (42)
- Hospital drawer (42)
- Stretcher (2)
- Oxygen concentrator (2)
- Drip Stands (15)
- Kidney dishes (10)
- Gallipots (10)
- Suction machine (2)
- Trolley (2)
- Dissecting forceps (5)
- Bandage Scissors (5)
- Suturing sets (2)
- Sphygmomanometer (3)
- Stethoscope (3)
- Wheel chair (2)
- Autoclave drum (2)
- Privacy screens/room dividers (4)

K. Pharmacy

- Refrigerator (1)
- Air conditioners (4)
- Counting tray with spatulas (for pills/tablets) (10)

St. Francis primary health care Agagbe.

Introduction: (info from *“The Integrated Health Programme Catholic Diocese of Makurdi (IHP CDM)”*)

St. Francis primary health care in Agagbe is one of the health facilities of IHP Catholic Diocese of Makurdi. It is situated in Mbachohon council ward, Gwer-West local Government of Benue state. It was established in 1994 and commissioned in the same year. The facility was built by Catholic Diocese of Makurdi, and is managed by Holy Rosary Sisters. It has a bed capacity of 18 beds. The facility has a total of 20 staff, Male 13, Female 7.

The facility provides services to Mbachohon community, these services include: Treatment of illness and sickness, immunization, Theatre services, maternity services, HCT services, PMTCT services, DOT services and referral services.

Inspection:

The area has no electricity, so the facility is depending entirely on the generator. Water supply is poor and the water reservoir (rain water harvesting) is cracked. Most of the buildings have large cracks and a new facility should be constructed. The Government constructed a health centre a few years ago opposite to St Francis PHC. However, the facility is not used. It is unclear when it will be opened (if at all). I strongly recommend the Diocese of Makurdi to open discussion with the Government about the use of this clinic. In case the Government is not planning to open the clinic a possible solution for the poor structure of St Francis PHC could be to move the activities to the new clinic, in case the Government is planning to open the clinic, St Francis could be closed. The construction of a new clinic for St Francis PHC is not recommended.

Investing in St Francis PHC in the present circumstances is not recommended. Once the situation is cleared and the future of the facility is known the situation should be assessed again.

St. Peter's clinic Aondoana.

Introduction: (info from *"The Integrated Health Programme Catholic Diocese of Makurdi (IHP CDM)"*)

The Integrated Health Programme of The Catholic Diocese of Makurdi have a strong desire to take health services to the door step of the individuals to reach the unreached communities. IHP team led by the Health Coordinator, Rev. Fr. Peter Paleve under the auspices of the Bishop of Catholic Diocese of Makurdi made a visit on the 26th May, 2015 to Aondoana in Udam communities of Gwer West Local Government Area and received the request stakeholders on the establishment of a Primary Health Care centre in Aondoana community.

St. Peter's clinic Aondoana was established on the 18th June 2015 and was commissioned on the 6th October 2015. It has a bed capacity of 2 beds with staff strength of 6 staff.

Inspection:

The facility is temporarily located in a small house and the preparation for the construction of a medium size hospital has started. There are no hospitals in the vicinity and people in the region have to go at least 40 km for e.g. a Caesarean Section.

The construction is planned to be in phases and in the first phase a small hospital with a bed capacity of 35 beds is planned, including a theatre, maternity, laboratory, OPD and IPD. The available equipment in the temporary site is very limited and basically there is no equipment at the moment for the new hospital.

The diocese has started with the construction of a dam. The water will be pumped to the new hospital and purified. In addition a borehole will be needed. Electricity is not available in the region, so a solar system should be included.

The following equipment is foreseen for the new hospital (first phase)

A. General

- Water supply system and storage facilities for at least 50,000 litres of water
- New X-Ray equipment

B. Out-patient Department

- Adult Sphygmomanometer (3)
- Paediatric Sphygmomanometer (2)
- Digital Thermometer (15)
- Stethoscope (5)
- Diagnostic set (ophthalmoscope and otoscope) (1)
- Oxygen concentrator (1)
- Suturing pack (5)
- Adult weighing scale (2)

- Hanging spring weighing scale for children (2)
- Privacy screens/room dividers (4)
- Wheelchair (3)
- Stretcher (2)
- Examination couch (3)
- Small sterilizer (1)
- Air-co (wall) (4)
- Suction machine (1)
- Nebulizer (1)

C. Theatre

- Autoclave (including drums, etc. (1)
- Caesarean section instruments set (3)
- Laparotomy instruments set (5)
- Orthopaedic instruments set (1)
- Paediatric instruments set (2)
- Suturing instruments set (5)
- Anaesthesia machine (1)
- Suction machine (1)
- Oxygen concentrator (1)
- Pulse oximeter (1)
- Theatre table (hydraulic, manual) (1)
- Theatre lights (ceiling, LED) (1)
- Portable theatre spotlight (1)
- Stethoscope (2)
- Adult Sphygmomanometer (1)
- Paediatric Sphygmomanometer (1)
- Patient trolley (2)
- Baby resuscitaire (1)
- Wall Air-conditioner (1)
- Patient monitor for theatre (1)
- Boots (10)
- Protective glasses (10)

D. Laboratory

- Micro haematocrit (universal) centrifuge (1)
- Automated haematology analyser (1)
- Automated Electrolyte analyser (1)
- Automated Biochemistry analyser (1)
- Autoclave (small) (1)
- Chest refrigerator (1)

- Blood bank (fridge) (1)
- Binocular microscope (2)

E. Maternity department

- Delivery bed (2)
- Baby cot (2)
- Oxygen concentrator (1)
- Delivery instruments set (3)
- Suction machine (1)
- Resuscitaire (1)
- Examination Couch (1)
- Mobile spotlight (suturing episiotomy/tear) (1)
- Ultrasound Machine (1)
- Infant weighing scale (1)
- Adult weighing scale (1)
- Episiotomy scissors (5)
- Suturing sets (5)
- Wheel chairs (2)
- Cadiotocographic Machine (1)
- Sphygmomanometer (2)
- Stethoscope (2)
- Foetal Doppler (2)
- Protective glasses (4)

F. In-patient Department

- Adjustable hospital beds (hydraulic) (35)
- Hospital bed mattresses (foam, waterproof) (35)
- Waterproof hospital pillow (35)
- Hospital drawer (35)
- Stretcher (3)
- Oxygen concentrator (2)
- Drip Stands (15)
- Kidney dishes (10)
- Dissecting forceps (10)
- Bandage Scissors (10)
- Gallipots (10)
- Suction machine (2)
- Trolley (3)
- Sphygmomanometer (3)
- Stethoscope (5)
- Suturing instruments set (2)

- Privacy screens/room dividers (8)
- Wheel chair (3)

G. Pharmacy

- Refrigerator (1)
- Air conditioners (2)
- Counting tray with spatulas (for pills/tablets) (10)