

# **CAMEROON BAPTIST CONVENTION HEALTH SERVICES**



## **ACTIVITY REPORT, 2017**

# CAMEROON BAPTIST CONVENTION HEALTH SERVICES



## ANNUAL REPORT, 2017

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## List of Abbreviations

CBCHS	Cameroon Baptist Convention Health Services
BBH	Banso Baptist Hospital
MBH	Mbingo Baptist Hospital
BHB	Baptist Hospital Banyo
BHM	Baptist Hospital Mutengene
MBHD	Mboppi Baptist Hospital Douala
DBH	Dunger Baptist Hospital
EBHY	Etoug-Ebe Baptist Hospital Yaounde
CP	Central Pharmacy
ACP	AIDS Care and Prevention Program
DHS	Director of Health Services
HSC	Health Services Complex
LAP	Life Abundant Primary Health Care
PHC	Primary Health Care
CIACP	Community Initiative AIDS Care and Prevention
CDC	Centers for Disease Control and Prevention
EGPAF	Elizabeth Glaser Pediatric AIDS Foundation
MOH	Ministry of Health
PEPFAR	President's Emergency Plan for AIDS Relief
HIMS	Health Information Management Systems
ANC	Antenatal Clinic
ART	Anti-Retroviral Therapy
ARV	Anti-Retroviral
BTMAT	Beryl Thyer Memorial Africa Trust in the UK
CCP	Chosen Children Program
COC	Chief of Center
CoMCHAs	Community Mother Child Health Aides
EFC	Extended Forum of Care
FP	Family Planning
NLC	New Life Club
NTP	National Tuberculosis Program
PMTCT	Prevention of Mother-to-Child Transmission
PwD	Persons with Disabilities
SEEPD	Socio-Economic Empowerment of persons with Disabilities

SG	Support Group
PCR	Polymerase Chain Reaction
YONEFOH	Youth Network For Health
S9PP	Strategy Nine Project Package
BL	Burkitt Lymphoma
CHF	Congestive Heart Failure
LRTI	Lower Respiratory Tract Infection
URTI	Upper Respiratory Tract Infection
UTI	Urinary Tract Infection
CBID	Community Based Inclusive Development
EDID	Empowerment and Disability Inclusive Development

**Mission Statement**

The Cameroon Baptist Convention Health Department seeks to assist in the provision of care to all who need it as an expression of Christian love and as a means of witness in order that they might be brought to God through Jesus Christ. Thus, the Health Board seeks to provide exemplary health care with genuine compassion and with overriding purpose of evangelical witness.

**Vision**

Quality care to all

**Acknowledgement**

The results presented in this report are achieved through the collaborative efforts of our patients, partners and friends who have supported us in prayers, material and financial resources. We appreciate the HMIS team for their efforts to produce this report.

## **A. NARRATIVE REPORT**

### **Introduction**

The Cameroon Baptist Convention Health Services (CBCHS) has been in existence since 1936 and continues to make major contributions in alleviating human suffering with an underlying philosophy of Christian love as enshrined in her mission statement. The CBCHS addresses both clinical and public health problems affecting individuals and communities in Cameroon and beyond through a network of health facilities that include 7 hospitals, 30 integrated health centers, 50 primary health centers and a Pharmaceutical procurement and distribution service. Other services and programs that contribute to enhance patient care include: the Baptist Training School for Health Personnel that trains clinical and paramedical personnel for the Health System, a comprehensive AIDS Care and Prevention Program, Services for Persons with Disabilities, the Centre for Clinical Pastoral Education and Social Services, and the Community Counseling Clinic. The services of the CBCHS are in six of the ten regions in Cameroon. The following sections present the accomplishments of the CBCHS institutions and departments in 2017.

### **Mbingo Baptist Hospital and Supervised Integrated Health Centers**

In 2017, the Mbingo Baptist Hospital staff worked very hard serving a total 87,289 outpatients and 12,508 inpatients. There was low uptake of services at the start of the year due to the prevailing socio political situation experienced in the region which hindered movement on some week days, especially Mondays. Over time, patients adjusted and the attendance normalized. Towards the end of the year, the hospital witnessed a slight increase in patient attendance as a result of the temporal short down of the Catholic Hospital Njinikom in early November and with the installation of the CT Scan machine.

The above mentioned work load was handled by 800 staff of the institution who include 51 doctors distributed thus; 24 PAACS and CIMS residents, 7 internists, an internist/pathologist, two paediatricians, four surgeons, two ophthalmologists, one orthopaedic surgeon, one ENT doctor, one Head and Neck Fellow, one dentist and seven general practitioners. In line with the training of residents, the Ministry of Higher Education authorized the Baptist Institute of Higher Education to operate the PAACS and CIMS training programs. This is a major milestone for the programs and Mbingo Baptist Hospital.

During the World Leprosy Day which was commemorated on January 29th, 8 Hansen's Disease patients were discharged.



The hospital acquired three vehicles this year which include an ambulance that was donated through Dr. Richard Sharpe, a visiting Surgeon, a Unimog and Toyota Fortuner which were bought. All the equipment were dedicated and put to use.



**Unimog**



**Ambulance**

In the area of medical equipment, the hospital bought a CT Scan machine, which was installed and put to use on 11th September 2017. Over a period of 10 weeks, a total of 418 scans have been done. The hospital also bought a 350KVA generator with a capacity of supplying the entire hospital, compared to the 160KVA which the hospital had that could not run the entire facility.



**CT Scan Machine**



**350KVA Generator**



The hospital equally received a donated Ear Mould Lab. A room is under renovation for its installation. With funding from the S9PP, the hospital bought a C-arm (see picture on the left), an Ultrasound and a Glostavent anesthesia machines which were installed and put to use.



Infrastructure wise, the hospital completed the strategy 9 project and it was inaugurated and dedicated on July 6th, 2017 by the French Ambassador, Gilles Thibault and the CBC Executive President, Rev Dr. Godwill Ncham. The first floor now hosts the CIMS OPD, the Laboratory, the Pharmacy and the **Mbingo Baptist**

**Hospital New OPD** Surgical and Wound Care clinics. The former Pharmacy is now used for the inpatient Pharmacy.



**Parents Home**

The Parents Home building project was completed and dedicated on May 13, 2017. In addition to Burkitts Lymphoma cases that are hosted in the building, the Parents home has an apartment where other patients, care givers and visitors can be lodged. This is generating income to support the program.



**Fourplex for CIMS Residents**

A fourplex (single room self-contained) for the CIMS single residents was constructed with external funds. The second fourplex is under construction, pending the roof. The building will host three PAACS residents who will begin training in January 2018.



**Fourplex for PAACS Residents**



**Nkwen Baptist Health Center Maternity Block**

Although not progressing as fast as expected, the construction work at the Nkwen Baptist Health Center maternity block is over 75% complete. The main aspects left include electrical work, plumbing, fitting of windows and doors, painting and equipping.

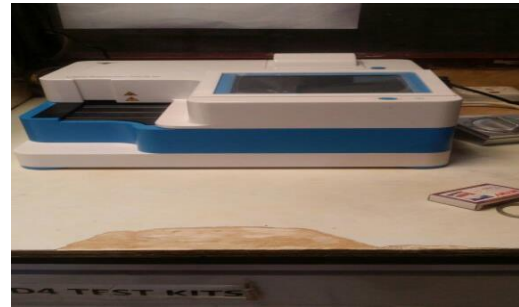


This year, the Nkwen Baptist Health Center bought a Chemistry Analyzer (COBAS-C1111), an automatic urine analyzer, a dental chair, an Olympus microscope machine CX-31 and a surveillance camera system.

In 2017, the Nkwen Baptist Health Center served a total of 135,922 outpatients.



**Dental Chair Olympus**



**Automatic urine analyzer**



**Bafoussam Baptist Health Center Building**

Work is progressing well at the Bafoussam Baptist Health Center building though at a slow rate. A total of 35,239 outpatients were served in this center in 2017



**Sabga Health Center Maternity**



**Kwighe Health Center Maternity**

The main accomplishment of the Ndebaya Health Centre this year was the installation of electricity. Similarly, solar panels were installed at the Akeh Baptist Health Center this year. Renovation was completed on the OPD floors of the Finkwi Baptist Health Center while her maternity construction work is progressing well. The Kwighe Baptist Health Center now has 10 hospital beds and mattresses, a gynecological bed, oxygen by concentrator and the center is awaiting a maternity area which will become available with the completion of construction work. Construction of the maternity of the Sabga Baptist Health Center is being finalized with external funding. An incinerator has been constructed for this center while the fence is under construction. The center received a donation of a flat screen

from Express Union and hospital equipment worth 8 million francs from the Government. The main accomplishment of the Bayangam Baptist Health Center in 2017 was the purchase of a water tank. The Ashong Baptist Health Center bought an oxygen concentrator and a lawn mower.

The CBC Nursery and Primary School Mbingo 1 and the Integrated School for the Deaf (ISFD) Mbingo are now called the Inclusive Primary School and Sign Language Centre, Mbingo. The ongoing socio-political situation in the Northwest and Southwest Regions reduced the enrollment of the schools to 153 and 26 respectively.

### **Banso Baptist Hospital and Supervised Integrated Health Centers**

The hospital staff worked hard in 2017 under a difficult political environment and served a total of 88,932 outpatients and 7,834 inpatients. During the year, the hospital organized two internal trainings including training for PT staff on stroke management and couples seminar. The hospital now has two surgeons, a dentist, two family practitioners/psychiatrists and a volunteer missionary couple. There is need for OB/GYN doctor.

In an effort to help staff keep fit and in accordance with the directives of the Director of Health Services, the hospital launched vigorous dance groups in addition to the various sporting activities and local tournaments that were ongoing. In a related story, one of our colleagues, who is a security guard Mr. Ngoran Eugene emerged 2nd in the veteran Buea Mountain Race in 2017.

The Cameroon Aviation Authority inspected our air strip and made some recommendations which we need to implement for the 2nd year certification to be issued. The hospital is expecting a bigger helicopter and trusting God for another pilot to join Mr. Mark Spangler to make the work lighter

In line with projects and infrastructure, two boreholes were constructed to augment water supply in the compound. A landing spot for the awaited new helicopter was constructed. The old incinerator was rebuilt and the boiling system for hot water supply will be incorporated in it.



Equipment bought this year included an Ultrasound machine (Siemens) whose cost was from the S9PP, a chemistry analyser and a Toyota Hilux to be used for CBM activities.

The Dunger Baptist Hospital was connected to the community

electricity supply line this year. The house of the hospital was renovated at the beginning of the year and doctors have been living there in turns as they go to serve. The community received the doctors with a lot of joy and appreciation. The first doctor who was scheduled to serve at the Dunder Baptist Hospital was given a warm reception, starting with an escort of bikers.



**Chemistry Analyzer**

The Ndu Baptist Health Center service uptake has continued to increase with the presence of a resident doctor, and an approved and functional Care and Treatment Centre for HIV clients. A Chemistry machine was bought for the center to enhance the management of patients.



**Ngounso Theatre**

This year, the Ngounso Health Center carried out renovations and created a theatre, a recovery room, and a 4 bed Surgical Ward in the maternity block. The mini-theatre will be put to use as soon as equipment and staff are available. The center also purchased a standby generator (30KVA SDMO)

The center started eye care services in October 2017 while the Care and Treatment Centre for HIV clients was operationalized.



**Kouhouat Maternity Block**

The Bangolan Health Center was included into the Performance Based Financing Project. We hope this will influence uptake in services which were slowed down by the leadership crisis in the community. The Kouhouat Health Center maternity block was completed and put to use.

His Excellency Philemon Yang donated the sum of 25million francs CFA for the construction of a theatre at the Jikijem Baptist Health Center. The project was realised and handing over done. We remain very grateful



for this support while trusting God for the provision of equipment. In the meantime, 30KVA generator has already been purchased while an operating table and some stretchers and hospital beds were acquired with the support of the board. Led by Mr. Yosimbom M. John, the Chairman of the Cameoon Baptist Convention, the community was highly mobilized and funds to the tune of 2million francs CFA have been raised to support this center with. Another major service which was not envisaged is the Ultrasound Service which, with instructions from the DHS, was started effective October 13, 2017.

Major renovation was done at the Romkong Baptist Health Center making provision for a sanitary block and sinks in the wards. A surface solar pump was set to improve the water supply system at the Nwat Baptist Health Center. A solar system was also installed in the Ngeptang Baptist Health Centre this year. The boundaries of Lassin Health Center were demarcated with life trees. An oxygen concentrator was purchased for the Koussam Baptist Health Center while the ceiling of the center was renovated.

### **Baptist Hospital Mutengene and Supervised Health Centers**

The service uptake of the hospital did not follow the usual trend. The political environment slowed down service utilization this year and the hospital served 114,676 outpatients and 6,516 inpatients. The hospital received a land surrender document for a four hectare piece of land at Ombe New Layout. Infrastructure wise, the maternity/surgical ward under the S9PP was completed and put to use. The construction company refurbished some of her construction obliterations. The Kumba Baptist Health Centre block was completed and is in use. The EkondoTiti block foundation work is progressing well.

This year the KYN team lead the celebration of the World Diabetes Day. Dressed in T-shirts of the day, teams including the Doctors, Educators, clients and staff staged a walk from the hospital through Buea and Limbe roads, to the celebration ground where the diabetic association president graced the occasion with music in Bali dialect. The Njuh and Njang dance groups performances were the talk of the day.



**President Mutengene Diabetes Association leading the walk with a cross section of BHM Administration**



**Njuh Dance Group performing**



In line with equipment, a brand new Hilux was bought for BHM by the board, a modern inter-communication system was bought and installed in Kumba Baptist Health Centre. The hospital received a C-arm fluoroscopy machine and an operating room lamps from the S9PP and have installed the equipment for use. The paramount chief of EkondoTiti, Chief EsohIttoh donated a hectare of land to the Health Centre. An indigene of EkondoTiti living abroad donated some diagnostic equipment to the Health Centre.

### **Baptist Hospital Banyo and Supervised Health Centers**

In 2017, the Baptist Hospital Banyo served a total of 9,180 outpatients and 1,274 inpatients. The hospital collaborates well with Meskim Hospital Maroua, PROFAM Cameroon, World Wide Lab and the Ministry of Public Health. Through Dr. James Smith and Friends the hospital received a donation of medical equipment including an incubator, chemistry machines, and D&C set.

The hospital staff carried out several outreach programs to churches in Mayo Darle Field and communities with a package of both health activities and gospel messages. The hospital choir was very instrumental in this activity. As part of the outreach, the hospital is reactivating the Primary Health Centers in the Adamawa. On the other hand the hospital received support visits from the Orthopedic and SMILE TRAIN teams from Mbingo as well as supervisory teams from the office of the Director of Health Services.



### **Choir Dedication**

The key needs of the hospital include work space for Physiotherapy department and an incinerator while those of her supervised health centers include a bike for Allat, finances to complete the Sarkibaka OPD building and make provision for portable drinking water in the center and additional staff for Nyamboya nd Sarkibaka health centers.



### **Reception of donated Incubator**

## **Mboppi Baptist Hospital Douala**

The hospital work load remains high at 229,682 outpatients and 8,967 in patients compared with 223,343 and 8,870 respectively in 2016. The year was successful with improvement in patient's attendance. We are thankful to the Lord Almighty for granting our staff the strength to handle this work.

In 2017, the hospital celebrated the world clubfoot day, starting with a launch by the Regional Delegate of Public Health in Littoral. During the launch, Dr Ndasi and the SEEPD team projected a video and made a presentation of the Cameroon Clubfoot Care Project. Two parents presented their success stories of the benefit their children received from the project.

The Mercy Ship extended their programs to Mboppi Baptist Hospital. Presently some of our staff are receiving training on Ponseti Clubfoot and new sterilization techniques. Some of their nurses from USA worked with us for two weeks to familiarize themselves with the Cameroon culture. Our staff equally learned some standard ways of patient care practices of the developed world. The palliative care nurses of Mboppi and some workers of the Mercy Ship team visited some long term ill patients in the community. The Mercy Ship donated one folded portable examination bed, assorted essential drugs, on table and chair and providone surgical swaps to Mboppi Baptist Hospital. We are thankful to the Mercy Ship administration and their staff for their kind gesture.

The Mboppi hospital hosted a 2 days training for ten staff from six facilities on a new method of circumcision. This new method of circumcision covers almost a 100% protection to a child's penile gland during circumcision. Also in line with trainings, a pre-employment ultra sound training was conducted in the hospital for one month. The main facilitator was Mr. Adamu who was assisted by staff from the DHS's office. This approach of selecting staff for employment was appreciated because enough time is taken to evaluate the candidates' performances.

Renovation work was carried out at the security post entrance of the hospital creating work space for the non-communicable disease office, chief security office and contact tracing/ collection clerks. This entry point will also serve as a very strategic place to target care givers and other visitors to check their BPs, FBS, HIV status and diabetes (KYN).



The process of creating a new health center in Kribi started with the purchase of one hectare of land whose documents are being processed. In the meantime, the health center will be operated in a temporal building. Kribi has lots of potentials especially with the creation of the deep sea port which will soon go operational.

A team from Mboppi Baptist Hospital met with the DMO and Divisional Officer of Mbanga for possibility of starting a monthly clinic. The two Administrative leaders were in support of the idea. A monthly visit schedule was sent to the DMO for approval. The trend in service uptake will be monitored to guide decision to start a health center in this community.

In line with medical equipment, Mboppi hospital acquired a new 5 part hematology machine and a new ultrasound machine from the S9PP. The hospital bought a dental lab trimmer, a vibrator and incubators. The hospital is thankful to the board for buying a Toyota hilux for her.

The hospital is in need of more work space and houses for staff.

### **Etoug-Ebe Baptist Hospital and Supervised Health Centers ,**

The hospital work load has remained high and the staff worked hard in 2017 to provide quality



services to the 148,217 outpatients that were served. The increasing workload was accommodated with an increase in staffing from 198 in 2016 to 228 in 2017, who include five general practitioners, three dental surgeons, three reproductive health staff and two nurse practitioners. The staff of the hospital received trainings in various domains including

#### **EBHY staff with the DHS during his visit**

Electronic Medical Record in Bamenda, Psychosocial care of children living with HIV in Mbalmayo, Family Planning at Mbalmayo, Nlongkak and Mfou, Palliative care at Etoug-Ebe Baptist Hospital, IP and control/launching of hand hygiene in CBC Health Services in Bamenda, Screeners/ Nurse Practitioner's Seminar at Mutengene/Bamenda, etc.



The EBHY hosted a meeting held by the Norvatis Access Launch and the Director of Health services with the NCD team members. The availability of NCDs drugs at reduced cost was discussed.

### **Meeting of CBCHS and Norvatis Access**

The hospital bought an autoclave, a patient monitor and cautery machine with both external support and internally generated income.



**Autoclave**



**Patient Monitor**

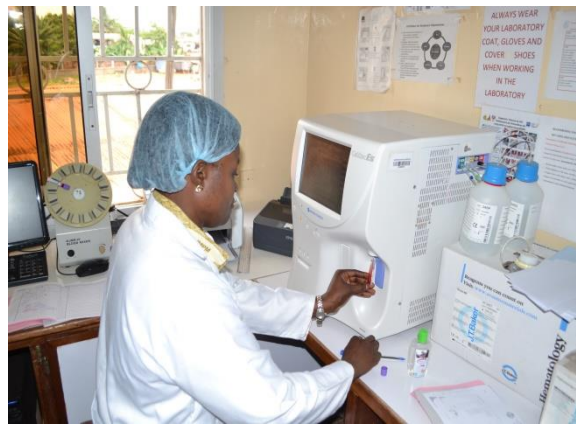


**Cautery Machine**

Other equipment that were bought with external support this year are photocopier, Cobas C111 Chemistry Machine, blood Mixer, TV sets, suction machine and a haematology analyser.



**Haematology Analyser**



**Cobas C111 Chemistry Machine**



**Pachimetry Machine**

The eye department has had a Pachimetry Machine which will reduce our clients waiting time and improve on the diagnosis of some eye diseases which were not done before.

There is a cordial relationship and our hospital work collaboratively with other CBC institutions, sister missions and the government health facilities at all levels.

The hospital continued to provide supervision to three Health Centers including Voundou, Ekounou and Nkoabang Baptist Health Centers.



**Front View of Ekounou New Building**

The **Ekounou Baptist Health Centre** service uptake remains high at 36376 outpatients and there are 59 staff to handle this work. The center is still functioning in a rented premises. There are plans to move to the permanent site in January 2018. Work is 85% complete at the Ekoumdoum permanent site.



The **Voundou Baptist Health Centre** started as a PHC on the 12<sup>th</sup> of January 2008 and was upgraded to a health centre on the 21<sup>st</sup> September 2009. The current staff strength is 18. The



**Voundou Health Centre new building**

Chief of Center went for study leave and a permanent replacement is yet to be appointed. The center runs a three shift system and carries out outreach activities to Ma'a Jerusalem on a monthly basis. The centre has one hecter of palm plantation and has also cultivated cassava on their permanent plot. To keep the plot free, clean and free from encroachment, portions have been shared to staff for farming. The key challenge of the center is poor road network.

The **Nkoabang Baptist Health Centre** was started on the 1st of March 2017, with Mr. Sam Pius of blessed memory as pioneer Chief of Centre. The Center has an average daily patient attendance of 50. There are 23 staff in the center, including a resident doctor. The initial plan was to run only outpatient and maternity services but we eventually saw the need of inpatient services which were started in August 2017. The Centre has admitted 210 clients within 3 and half months. Negotiations for a piece of land for the health centre was established and the first installment paid. The center has good and collaborative relationships with key stakeholders. The center acquired several equipment like the full blood count machine, an ultrasound machine, and a slit lamp.



**Ultrasound Machine**



**Full Blood Count Machine**



**Slit Lamp (Eye department)**



**Maternity ward**

The purchase of the **CBCHS Resource Centre for Excellence** was finalized in November 2017. A new structure is being erected to provide more offices. The main building which is pending renovation will be used as a rest house. A 120KVA heavy duty generator was purchased for use in this property. The rest house is already operational in one of the apartments. The rest house in this area is going to ease pickups, seeing off and lodging of our visitors coming from abroad given its proximity to the airport.



**Ongoing Resource Center project**



**Heavy duty generator**

### **Life Abundant Primary (LAP) Healthcare**

The overall goal of LAP is to provide Holistic quality Health care and services by improving access to rural and underserved communities in Cameroon through health education, diseases prevention, basic consultation, providing prenatal clinics, PMTCT, conducting low risk delivery

and referrals of high risk pregnancy through the use of Community Mother Child Health Aides (CoMCHAs). Additionally, LAP is combating the HIV and AIDs as well as the emerging Non-Communicable diseases; and promoting community participation in planning, implementation and evaluation of their health through a sustainable primary health care system.

There were 54 functional Primary Healthcare Centers (PHCs) this year. These PHCs are located in four regions of Cameroon including Northwest, Southwest, West, and Adamawa. The LAP PHCs are divided into 9 areas which are under the supervision of 9 Field Supervisors. A total of 17 of the 54 PHCs have PHC Nurses.

LAP carried out or was involved in the following capacity building trainings;

- Two months (theory and practical experience) basic training in Ndu for seven new CoMCHAs
- Continuous Education (CE) on basic mental health for 12 Village Health Workers (VHWs). The facilitators were by Sr. Lyn and Sr. Jenny
- Refresher trainings for 19 Peer Educators and 37 CoMCHAs on PMTCT activities that was supported by the ViiV Community Project.
- Twenty four LAP Central and field Staff attended a workshop on Organizational Development (OD) that was facilitated by SIRDEP
- Nineteen LAP and Central staff attended a workshop on Facilitative Supervision which was facilitated by Dr. Amungwa, a Public Health Consultant.
- Twenty eight LAP Central and field Staff and grant writers from the Central Administration were thrilled on Resource Mobilization in a workshop that was facilitated by SIRDEP at the Education and Resource Centre Bamkika'ai.
- Nineteen CoMCHAs, PHC Nurses and Health Care Provides from some of our CBCHS facilities were drilled to improve on their skills and knowledge through a Continuous Education in Basic Life Support in Obstetrics (BLSO)
- Twelve students went through the Promoter Basic training which lasted three months.
- The CBCHS malaria Focal Point in the person of Dr. Nfor Emmanuel trained 7 field supervisors, 19 PHC Nurses and 2 LAP staff on malaria management.

LAP received a missionary couple into her administration. They are Mr. Craig Moody who is the System Administrator of LAP while Mrs. Moody Maureen is the Assistant Administrator for Human Resource and Development. She is in charge of the Education Department of the LAP

Ministry. Their presence will stimulate and enhance resource mobilization and sustainability of the LAP Ministry.

The uptake of LAP activities is presented in the table below

<b>Activities</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
Consultations	47,583	53,857	60,239
Antenatal Clinic	1,527	1,460	1,407
Under 5 weighed	11,085	10,457	10,039
Under weight babies	74	69	53
CoMCHA Delivery at PHC	1,067	1,046	1,166
Delivery at Home	81	53	80
<b>Total Patient Encounter</b>	<b>66,537</b>	<b>71,523</b>	<b>78,140</b>

The statistics above shows that the utilization rate in most of our PHCs is increasing each year. This is as a result of the integration of more PHC nurses into some of the high volume PHCs. In 2017, the LAP spiritual department administered the gospel to 2,220 people, one of whom made the first decision for Christ. There were 14 rededications, 65 were counseled on marital and bereavement issues. The department encouraged and prayed with 41 VHWs.

LAP is implementing PMTCT services in 49 PHCs. Out of the 1,139 pregnant women seen at ANC, 1,080 (95%) were tested for HIV and 18 (1,6%) were positive. During the outreach activities of LAP, we found out that 4,881 people knew their HIV status of whom 82(1.67%) were seropositive. These positive cases were linked to care and treatment.

Nutrition improvement services are carried in 41 LAP sites. The 2017 uptake of the nutrition improvement program activities at these LAP sites is presented on the table below.

<b>Activities</b>	<b>Number seen</b>
Food demonstration	912
Counseling and follow up	2,007
Vitamin A given to children between 6 months to 5 years	59
Multivitamin given to pregnant and lactating women	40
Health Education	10,623
Refresher course for VHWs	20



In addition to the list above, the NIP assisted a child whose mother died of postpartum hemorrhage in Ngang PHC with 3 tins of guigoz milk. This department is also supplying processed soya-beans powder and NIP soya to PHCs. The world breastfeeding week was commemorated in the Oku-Noni Area and 510 persons were educated on the theme “Sustaining Breastfeeding together”. A demonstration was on proper positioning and attachment to the breast. The Bread for the World funded project ended on 31st December 2017. A reapplication for extension was submitted and the outcome is awaited.

LAP received several visitors in 2017; The Bread for the World (BftW) Project officer for Cameroon, Johann Singer visited LAP and made a field trip to Boh PHC in Oku. A film Production crew from Germany requested by BftW visited LAP to carry out a documentary captioned “Saving Children and Mothers in Cameroon”. The documentary was done at the Boh PHC. Doctors Alison and John Edwards and Sister Myna Goodman visited LAP in March and took part in training the CoMCHAs in a basic training that held at Ndu Integrated Health Centre. They also visited some PHCs to encourage VHWs and Committees and donated baby kits and some medical equipment like Blood Pressure cuffs. Madam Lyn Suddards a Mental Health Nurse and Sister Jenny Ajiyoh all from UK visited LAP in March and participated in the training of Village Health Workers on basic mental health ailments and the need for timely referrals.



### **Film Production Team from BftW**

### **Film Production at Boh PHC**

Njinijou PHC now has pipe borne water with funding from Madam Lyn’s Church.

The Nyos area project funded by the European Union ended in July 31st, 2017. Subum PHC is now functioning well with 8 staff (one Nurse, one pharmacist, one Laboratory staff, one security



guard, one promoter, two CoMCHAs and one yardman). A staff residence of 3 sleeping rooms and a parlor was renovated and a 2 room kitchen construction project completed. A new motor bike was bought and is being used for outreach activities in Subum. A solar refrigerator was bought for the PHC and the PHC electrified with solar panels. The main challenge in this PHC is the lack of portable water.

LAP staff celebrated the first family conference this year. It was chaired by Prof. Tih Pius, the Director of Health Services. The cream of LAP staff, VHWs both old and young turned out



**Family Conference of LAP Staff**

massively for the event. The District Medical Officers for Kumbo East and West participated and appreciated the CBCHS for the health coverage in the rural communities through the LAP Ministry.

Work on the LAP Prayer Retreat Centre is near finishing. The main aspects left are the paving of the footpath, floor, pillars and landscaping of the veranda. Thanks to NAB the main funder and some individuals within and out of Cameroon. The Administrative multi-purpose building is on hold due to finances. The Tinta missionary houses in Akwaya need renovation. Its roof is old, worn out and has many leakages especially during the rainy season.

### **Baptist Training School for Health Personnel (BTSHP), Bansa**

The 2016/2017 academic year was destabilized by the socio-political environment that is prevailing in the region. However, the year ended on a good note and the school was able to graduate 147 of the over 300 students who enrolled. Four classes that were suspended from February 20, 2017 because of the unstable political environment resumed in September. Two security guards and two housekeepers were recruited to work in the school. The school applied for the extension of Pharmacy Assistant (PHA) and Pharmacy Technician trainings to the Ministry of Public Health and feedback is awaited. The Registered Nursing (RN) year one and two, and the Dental Therapy (DT) courses are on-going, and the Pharmacy Technician (PHT) has been projected In October 2018. The school received a consignment of 164 medical books donation from NASCENT Solution, Kumbo branch.

A Professional Internship course was introduced in 2017 for nurses and midwives with the goal of providing opportunity for trainees to gain sound skills that can enable them to perform better. A total of 33 students completed the course and have been recruited and the second batch has been programmed for 2018. Placement of nursing assistant students for internship in health centers with low utilization like Akeh, Bayangam, Koussam began this year.

The BBH Rest House block was transferred to BTSHP in exchange for the old school block. It will be renovated and used for dormitories. The southern part of the BBH premises has been designated to BTSHP.

Two students from the Mambila Baptist Convention joined the Nursing Assistant and Dental Assistant courses, while one from the Central African Republic joined the Pharmacy Assistant class. The students are sponsoring themselves.

### **CBCHS Central Pharmacy**

Central Pharmacy operated at between 65% to 75% availability of drugs throughout the year 2017. The low stock levels were caused by the inability to pay for international orders that have been placed worth 418.7 million FCFA on time. While waiting for the international order, local purchases were made to meet the needs of patients. Unfortunately, these local purchases tend to make the medicines less affordable to the patients.

This drug situation was compounded by the collapse of the Consortium of Faith Based Drug Supply Organization (FBDSO) formed in 2015 under the mentorship of Ecumenical Pharmaceutical Network (EPN) to purchase drugs (pool procurement) in bulk for the three member churches. The Technical Working Group (TWG) comprising of the pharmacists of the CBC, PCC and EEC and their respective Operations Managers/Finance Managers met at EEC Douala on August 22, 2017 to review the work of the FBDSOs pool procurement so far. In all, there is a balance of money in the joint account that has to be redistributed to the members of the consortium depending on their respective contributions and what each consumed. The PCC team was assigned to handle this task.

The paradigm shift programmed for 2018 is to move back from 12 months placement of international orders to 6 months for the fast movers or class A pharmaceutical items in a bid to promote greater access to medicines in CBC Health facilities.

***Personnel adjustments:*** Mr. Wanyu Nathan handed over the leadership position of CP-Chief of Drug Unit (CDU) to Mr. Wirba Livinus on November 6, 2017 in Mutengene. Mr. Mih Johnes Cheng handed over the position of Manager of HESCO Water to Mr. Tagha Frankline on November 13, 2017.

***Drugs and Medical Supplies needs for 2018:*** The new CP Procurement team made an assessment of all the drugs and medical consumables that all the institutions of the CBCHS will need in 2018. The Tender Board Committee deliberated on the needs.

***Authorization to Manufacture Pharmaceuticals:*** The Central Pharmacy is now an official manufacturer of pharmaceuticals in Cameroon. The Cameroon government granted this authorization on March 2, 2017.

***The Cameroon Investment Forum (CIF):*** A team of 5 represented the CP Pharmaceutical industry at the Cameroon Investment Forum 9-10 November 2017 at the Bonanjo Party House in Douala. This forum pooled together potential investors from within and out of the country. The theme was “Linking project promoters and technical/finance partners for the development of local industry and the attraction of Foreign Direct Investment (FDI) in Cameroon”. The CP team made a power point presentation in the plenary and mounted an exhibition booth that was visited

by over 500 visitors. Over 8 potential partners indicated their aspirations to partner in the development of the CBCHS Pharmaceutical industry in Cameroon as well as other agencies that could assist in the quality healthcare delivery such as the development of tele-medicines. Follow up for cooperation is ongoing. These links will be explored over time.



**Poster presentation at the CIF**

**Local Production of Pharmaceuticals:** The Distiller and Boiler were bought and shipped from China. These equipment will enable the resumption of the production of Infusion fluids (IVs). All other CP produced items have been going on well. The production of eye drops and Paracetmol syrup significantly improved and these may be the first two CP produced pharmaceuticals to be distributed to other health institutions in 2018.

The challenges with pharmaceutical production are the need for the water treatment plant to produce pharmaceutical grade water and the automation of the other manual pharmaceutical production processes. It is worth noting that an advance payment has been paid for the manufacture of a water treatment plant in China worth 54,000 US dollars.

**HESCO Water:** Production trends improved from 489,000 bottles in 2015 to 548,580 bottles in 2016 but dropped to 404,555 bottles in 2017. One container of 530,000 preforms from China was received at the factory in Mutengene in 2017. Nevertheless, we are trying to buy preforms via Biotrading, a new HESCO Water distributor who desires to distribute HESCO Water even to Gabon.

**Donations:** CP received donations from White Cross and Brother's Brother Foundation; thanks to our foreign cooperating missions. Through the efforts of the consultant, CP has identified additional donor agencies such as Direct Relief and Jacobs' Well both in the USA.

### **Health Services Complex**

Shortly after the demise of the Chief of Mutengene who sold the land outside the HSC fence to CBC, the Traditional Council of Mutengene Chiefdom partitioned and sold the same said land to some 24 occupants and some have already constructed houses on them. Efforts are being made for the Divisional Land Consultative Board and Ministry of State Property and Land Tenure to revert the land to CBC. This procedure is regrettably very slow but we trust God that His will be done. The Fako SDO formed a land consultative committee headed by the Divisional Officer for Tiko Sub Division that visited the said land on 20th July 2017 and recognised that it is owned by CBC. After this recommendation, the SDO formed a 5 persons committee chaired by the DO of Tiko to study the documents of those occupying the said land for understanding on how and when they acquired the land. This committee has not started work because their Chairman was transferred and the incoming DO will be assuming this role.

The Memorandum with Mildmay Uganda signed with the Regional Training Center of Excellence in 2016 continued in 2017 with the continuation of 3 courses that were launched. The

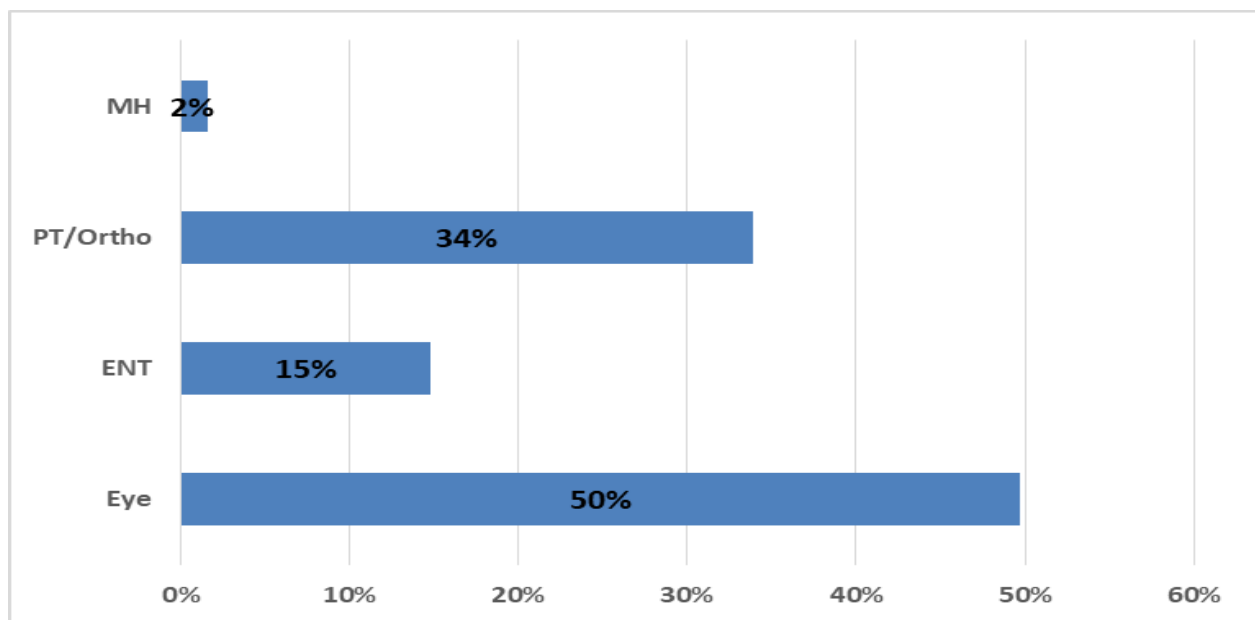
courses are: Health System Approach to Health and Social Care Management, Management of HIV Counseling and Palliative Care Management modules. A new course on Nutrition started on November 13, 2017 with a taught week that received 3 lecturers from Mildmay, Uganda. The Center was host to 60 different training workshops, seminars and retreats. The training workshops in 2017 were centered on the management of the scale up of Option B+, Pediatric AIDS management and Local Capacity Initiative (LCI).

### **Empowerment and Disability Inclusive Development (EDID) Program**

2017 marked the year three of the third phase of the Socio-Economic Empowerment of Persons with Disabilities (SEEPD) Program. Interventions during this period focused on promoting inclusion in wider community development by deepening the strong partnerships established in previous years to ensure that government and other trustees of development improve their commitment and participation in disability inclusive development.

The mid-term review suggested that SEEPD is well known and the concept of inclusion of disability in development actions is well appreciated and there is a general feeling amongst Persons with Disabilities (PwDs) that there is an improvement of the attitudes of the communities towards them and they now feel more belonging and accepted. This report presents key highlights from the period January to December 2017.

**Medical and Rehabilitation Services:** Interventions to improve the quality and accessibility of medical services continued in 2017 with the involvement of more actors and councils in the organization of multidisciplinary outreaches. This led to increased access to services for more people in the community who otherwise will not access health services. A total of 102,595 people accessed Eye, ENT, PT/Orthopedic and MH services at all levels. Of the above mentioned total, 20,711(20%) people accessed services during outreaches organized in 312 underserved communities in the region. The chart below shows access by service type.



*Fig 1: % Distribution of Client Access*

All the efforts together with the social marketing work of the program is evidently increasing service uptake in all project facilities. However, there is need to ensure that medical service delivery is designed and implemented in such a way that the services can be accessible to persons with various forms of impairments and that access to Services for Persons with Disability is well documented.

With increasing global attention given to Mental Health (MH), efforts to build a competent Community Mental Health (CMH) task force for the organization were intensified. In addition to training four (4) psychiatric nurses, the MH-GAP training was provided to 47 screeners and nurse practitioners selected from 48 CBCHS facilities. It is hoped that these trainings will support the expansion of MH services beyond BBH.

**Inclusive Education:** A regional network of 18 strategic stakeholders fostering Inclusive Education (IE) in the Northwest was established. This provides a common platform for coordination and advocacy for the furtherance of Inclusive Education.

There has been a shift in attitudes and practice of 14 Parent Teacher Associations (PTA) now leading in developing plans for IE in schools. This has resulted in the organization of school specific refresher workshops to strengthen the capacity of teachers in inclusive education. To further promote inclusion in education, 91 school authorities took part in a workshop on

inclusive as opposed to integrated education. Two support groups formed of parents have been introduced to income-generating activities to support children's education. This signifies increased recognition of parents' responsibilities and support to resource centers.

After setting up a functional IE resource room, the University of Bamenda has created a Department of Pedagogic Research and IE. Within the framework of their partnership, SEEPD is supporting the University to provide Technical Assistance in setting up the new department.



*Director of CBC Health Services (left) handing over equipment to Vice Chancellor, University of Bamenda (right)*

With regards to capacity building, a series of targeted workshops were organized for resource teachers, teachers with impairments in teachers training, Braille transcribers and sign language interpreters. In collaboration with Barbara Johnson (Volunteer braille expert from US), 13 resource teachers were training on the unified English braille and the use of the embosser; 9 visually impaired students in university of Bamenda were trained writing and reading braille; 8 teachers of the integrated school; and 33 sign language interpreters from 8 schools providing language education to children with hearing impairment met to harmonize their approach to teaching American sign language. This resulted in the birth of a NWR Association of Sign Language Practitioners with the mandate to professionalize and standardize the practice of signing.



Structural and operational reorientations are being provided to ISFD and ISFB starting with change of names to CBC Inclusive Primary School and Sign Language Centre and CBC Inclusive Primary School and Braille Centre respectively. In terms of operations, marketable profiles are being developed for the schools and will be used for social marketing and also to attract external funding.

Meanwhile, it is recognized that all the above efforts were seriously compromised due to the socio political unrest in the Anglophone regions of Cameroon that led to the paralysis of most schools for the greater part of the year, the main challenges for the education component is on continuously improving systems and teaching methods in the pilot schools to better respond to the needs of learners with various impairments.



*Lead Persons from 14 school pilot project participating in refresher course on IE*

**Livelihood:** To increase the number of PWDs accessing livelihood opportunities in 2017, more attention was given to quality with 552 PWDs receiving capacity strengthening in the areas of business planning, management and saving. Of these, 136 PWDs received first time loans and on-the field support. An informal assessment of groups benefiting from WINHEEDCAM loans pointed to the fact that more members in addition to saving in their groups now have accounts with MFIs. This can serve as a proxy for increase in income levels among PWDs.



In terms of VT and livelihood skills, informed by the gender disparity in access to livelihood



*Bih takes control of her livelihood after acquiring vocational skills in embroider Intervention,*

opportunities in general, we have successfully advocated for tuition free access to women empowerment centres for women and girls with disabilities. 15 women and girls with disability have enrolled into different VT options and their training centres are being supported to acquire skills in inclusive VT.

Notwithstanding the aforementioned, there is need for continuous follow up and coaching of PWDs to ensure that continuous improvements in skills, competencies and assertiveness in order for the achievements so far to be sustained. Also, there is lack of an effective way to capture the changes in the community due to improved livelihood activities of PWDs.

**Social Inclusion:** This unit established strategic partnership with 20 LGU in the Northwest Region. Using this partnership as a vehicle, 18 councils have been supported to adopt child safeguarding measures, promote CBID at local level, mainstream gender and disability in development. This has recorded some interesting results including the recruitment of 88 volunteers, facilitation of access to health care for 4 children from poor families, ongoing identification and involvement of PWDs in municipal decision making and promotion of medical outreaches

Inter-municipal collaboration beyond partisan boundaries have improved among Councils leading to joint development ventures. For example, three Councils from diverse political orientations collaborated to plan and organize joint campaigns on road safety.

Accessibility in communication is gaining prominence in communities in the Northwest region with councils putting in place measures to vulgarize and popularize community sign language. Following the organization of sign language workshops in 7 council areas for 270 **ommunes**, 2 councils have put in place sign language committees with the mandate to promote sign language in their communities, 1 council has appointed a sign language focal person and requested for training and 2 councils have taken decisions to internalize sign language within their councils. Partnership with 19 health districts in the region is increasingly facilitating the mainstreaming of disability in public health initiatives. All 18 health districts have given the Program an



*Participants at community sign language workshop organized by Ndu Council*

In collaboration with the International Society of Wheelchair Professionals (ISWP), wheelchair services in the region were assessed and training on right usage of wheelchair in rehabilitation provided to PTs and Community Based Rehabilitation workers.

Capacity for identification, referral, follow-up and rehabilitation was provided to 102 community workers selected from the 34 sub divisions of the Northwest region. Of the 102, 81 of them are recruited and managed by 15 Councils. With an imposing presence on the field, CBR staff provided health education to prevent disabilities to 130,349 people.

The main challenges in this result area are on sustaining the present momentum and enthusiasm of local councils in embracing inclusion and providing them with the technical support they require to operationalize inclusion.

**Child Protection:** Six organizations outside of SEEPD requested and were provided technical assistance in training their staff in child safeguarding and to develop child safe guarding policies. In collaboration with the Delegates of Basic Education, teachers and school authorities of GPS Ndot were trained on child safeguarding and supported to develop guidelines for keeping children safe which is being piloted.

A network of 15 credible child protection organizations in the region was established and vulgarized within the wider community with a view to facilitate the referral of different cases to appropriate structures for protection. An arts and craft contest was organized to commemorate



*Young craft artist during 2017 Day of the African Child*

the 2017 day of the African child was organized for 43 children who translated the theme of the day into various artistic designs and craft. For this first time, children and families were involved



in the planning and commemoration of such an event and perceived it as a perfect opportunity to join in articulating and promoting the rights of the African child

The main challenge is on following up the outcomes of the trainings with organizations and institutions that are outside the control of the program and also ensuring that there is continuous education and sensitization on child safeguarding in the region.

**Gender:** Organization-specific workshops were provided to 34 staff of 3CSOs and 27 leaders of 3 women forums to support their efforts to practice gender and disability inclusive development.

Joining the international community in the fight against gender based violence, a compilation of 16 stories from women and girls with disabilities who have been victims of violence was undertaken and popularized.

**Program Management and visibility:** Actions to foster cross organizational learning continued on the GRID network with major actions including: developing standard operating procedures to respond to issues of violence against women; developing a proposal for situational analysis of disability services in the NW; completing a proposal to investigate the role of technology in facilitating the participation of PWDs in communities of practice. Also, “The Publisher” – a weekly newspaper has introduced a permanent column on disability and inclusion for the publication of articles aimed at promoting social inclusion.

With a view to strengthen organizational capacity for sustainability, technical assessments of eye, physiotherapy, orthopedic and mental health services were conducted by independent consultants from the CBM family. In addition, a mid-term review was undertaken to measure progress towards the realization of program results. These assessments ended up with worthwhile recommendations that are being considered for future program designed.

The effective use of the SEEPD communication strategy continues to improve on program



visibility and generate demand for services. Partnerships were renewed with 21 media houses for the broadcast of the weekly program (Disability and

Development). 53 editions of weekly programs, 23 editions of Micro radio programs on Mental Health, 12 editions of micro programs focused on Clubfoot were produced and broadcast. Also, 5 TV programs focused on Ear Nose and Throat awareness were broadcast over 3 Television stations –CRTV Y, Canal 2 and Equinox. In the context of print and social media, 27 news articles were published on local newspapers and 5 informative documentaries were produced. It estimated that community mobilization using brochures and posters reached 551,640 people in various communities in the region.

The main challenge for the SEEPD team is on meeting up with the increasing demands for capacity building on inclusion by CSO and development actors.

**Conclusion:** In conclusion, SEEPD is on track to realizing its overall objective. Social communication, community activities and the affordability of services has led to a steady uptake of services for the first three years of the project. In addition, several networks have been developed in the Northwest region to respond to the need for inclusion (media, livelihood groups, DPOs, Parents of Children with disabilities, Stakeholders group etc). The work with councils is growing and much appreciated by the council's leadership. Collaboration with government departments is very good and the relationship with SEEPD also appreciated as added value by the authorities. Education of children with disability as a means of empowerment has been embraced by all education stakeholders; Parents, children with disability, school authorities and education authorities. There is demonstration among women empowerment organizations of the importance of including women and girls with disabilities in empowerment opportunities and with understanding of the importance of cross organizational learning. This has brought greater commitment among professionals on the community of practice thereby facilitating learning for sustainability.

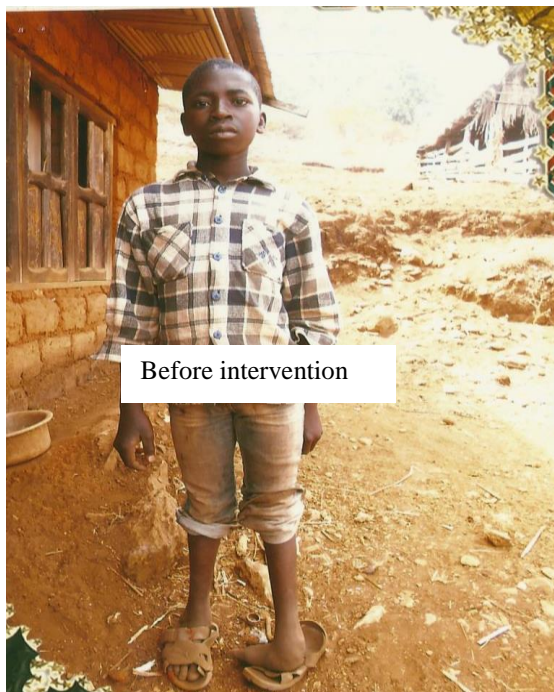
### **Empowerment and Disability Inclusive Development (EDID) Program**

The EDID Program is funded by the Liliane Foundation (LF) and works with over 20 Partner Organisations (POs) in 8 regions of Cameroon with the goal of enabling children and youths with disabilities to have access to education, health, social and livelihood opportunities and also ensure an enabling environment for them within their family and community settings.

In 2017, a total of 2197 children directly benefited from the program through financial support to access healthcare, education, social and livelihood opportunities. The beneficiaries greatly reduced this year due to the unrest in the 2 English speaking parts of the country which hampered children with disabilities from going to school. These 2 regions host 7 POs. The direct

beneficiaries included children and youths with visual impairments (blind), hearing impairments (deaf), motor (physical) impairments and intellectual impairments including development impairments like cerebral palsy, Down syndrome, autism, epilepsy, etc. An estimated number of 4004 were indirect beneficiaries who either benefited through trainings, workshops, sensitization campaigns, lobby and advocacy activities. Below are some of the key highlights. The photographs of some beneficiaries are presented below;

### **Photos of some program beneficiaries**



### **Beneficiaries of Empowerment and Disability Inclusive Development (EDID) Program**



As planned, the first quarter also saw the replication of the CBR training which LF had sponsored two members from the Cameroon SPO team to the training of trainers in Benin and Ethiopia. Two separate trainings were organised in order to meet up with the language differences of the POs. In addition to the POs, some key government officials were also involved in this training. These included the Regional Delegates for Social affairs for the Northwest and West Regions (who are the government actors in charge of Services for Persons with Disabilities at the regional levels) and the Mayors of the Centre Region.



**Participants pose for photo with their certificate**



**Training in session**

The SPO organised a special **“we ring the bell campaign”** this year together with 6 POs in two regions. This year’s campaign was to launch a lobby and advocacy plan on inclusive education encouraged by Liliane Foundation. In one minute, more than 1500 students and pupils from some secondary and primary schools in Bafoussam, Bangang and Yaounde in separate avenues made a loud noise to call the attention of stakeholders like policy makers, the government and city dwellers to the right of education for children with disabilities. They were joining their counterparts in the Netherlands to commemorate the annual “We ring the bell” campaign which was in its 3<sup>rd</sup> edition in Cameroon. The commemoration of the event started in Cameroon in 2015 pioneered by the CBC Health Services.



Sensitization messages during “we ring the bell” Campaign



The Directors of LF and CBCHS at home visits



In 2017, the EDID program received important sets of visitors from LF. First there was the film and communication crew who visited Bangang to make preliminary plans for the “we ring the bell campaign”. This was followed by a monitoring visit by the Program Manager, Anneke Donker and Camar Dapper from the resource mobilisation department. This monitoring visit was especially important as it was an opportunity for the SPO and LF teams to reflect on some challenges faced in Cameroon and agree on the next steps. Finally, there was the second visit of the **film crew on \_\_ to cover** the “we ring the Bell campaign” in order to connect with a similar event in Netherlands.

The SPOs in Cameroon were visited by Mr. Kees Van den Broek (Director of LF) and Mr. Kenneth Nangai who came to profile the POs that the SPO had selected for the Supporting Tools Enabling Parents (STEP) project. During the visit, 4 POs including 2

of the PO institutions were visited. Home visits were conducted by the team to assess the skills of field workers in managing children with cerebral palsy, identify gaps and to eventually tailor training





to suit the needs in the local context. All these visits were a great learning opportunity for the SPO team.

#### **Anneke and Camar in Cameroon**

At the end of 2016, the SPO assessed some POs who were put under observation due to their poor performance recorded and to see if they will improve. These POs include **Hopital Protestant de Mbuo** in Bandjoun, SMI Nkongsamba, fille de la Charite and Women's Work Department. At the end of the period, the performances of **Hopital Protestant de Mbuo** and SMI Nkongsamba were not encouraging and so a decision was taken to end partnership with them. One of the key reasons for termination of **Hopital Protestant de Mbuo** stemmed from the fact that they are purely service providers and despite repeated meetings and trainings on CBR, they showed no commitment on getting into CBR. Their activities were never implemented on time and reports were not submitted in a timely manner. In the case of SMI Nkongsamba, they repeatedly handed money to parents to go and pay for the children's needs at various institutions instead of taking the commitment of accompanying the parents. In majority of the cases, the parents diverted the money and never brought back receipts. The SPO therefore saw that if we continued with this PO, majority of funds will not be reaching the intended beneficiaries. The project team continued with monitoring field visits to partner organisations with the main objective to check progress in the implementation of the annual plans of the POs. During the visits, randomly sample children in the communities were visited. Support groups were also visited and encouraged. The decision to terminate SMI Nkongsamba and **Hopital Protestant de Mbuo** were based on observations from field visits. In 2016, the



**Meeting with support Group in Yaounde**

SPO through the services of the Support Group department actively worked in coaching POs to set up support groups. The plan for 2017 was to follow-up and strengthen these groups to ensure sustainability. A key achievement was the creation of over 47 support groups of parents of Children with Disabilities in 6

regions, with each group having a membership of at least 10. Group led advocacy caused 2 Councils to commit resources to support Children with Disabilities and one other council employed 2 parents of CwDs. A Parent Support Group is already working with a financial institution (WINHEEDCAM – Women’ Initiative for Health, Education and Economic Development) where they can access loans and trainings on economic

empowerment



**Liliane Foundation Inclusion**

**Network (LINC):** During this year, the Program Manager, Agho Glory participated in a LINC steering group meeting in the Netherlands. It was an opportunity to get to know members from other LINC regions – Asia, Africa and Latin America. The LINC team also provided inputs to the LF strategic plan which was presented to the advisory and supervisory boards for approval.



**Steering LINC Meeting in the Netherlands**

The SPO wrote and submitted 5 proposals in 2017. These include concept notes proposals submitted in response to LF call for innovative projects and a Project on “sustaining the gains of Disability Inclusion in the Northwest region of Cameroon” submitted to the Abujah aid direct.

The LF selected Cameroon as one of the SPOs to pilot the Advocacy for Disability Rights Course (ADRC) which was developed together with Enablement. The training was conducted for the English POs and facilitated by Gèke Appealdorn and Marije



GEERTRUIDA together with Foyeth Eugene and Abanda Alphonse CBCHS facilitators. The feedback provided after the course showed a lot of skills acquired by the participants.

### **Training on Advocacy for SPOs**

**Health:** A total of 848 children benefited from the program under the health component. Of these, 517 were medication/surgery cases while 233 were physiotherapy and the rest received assistive devices. The Tertiary Sisters of St Francis used the physiotherapy expertise from within their network of service providers from SAJOCAH and Shisong Hospital to train parents in their Support Groups on how to better manage their children's physiotherapy needs. As a result there was a general increase in parents' collaboration to care for their children's medical needs. Partners also identified epileptic cases in the field and subsidized the acquisition of treatment. Other partners that also created good collaboration with health service providers which enabled uninterrupted healthcare provision to children with disabilities include: Centre Catholique Notre Dame de la Santé de Batsengla Dschang, Centre médicalisée Kueka, SAJOCAH Bafut.

**Education:** A total of 476 children were supported under the Education component; 48 in Inclusive Primary Schools, 288 in Special Primary Schools, 53 in integrated, 12 in Inclusive Secondary Schools, 56 in Integrated Secondary Schools, 4 in Public Universities, 9 in Private Institutions. Regarding Enabling Environment under this component, thanks to the EDID Program support, PROMHANDICAM supported and followed-up 148 Children with Disabilities in mainstream schools to enable them learn inclusively. These include the visually, physical, intellectual and autistic children in 20 mainstream primary schools, 7 secondary schools and 5 higher institutions of learning. Support was also provided to the National Examination Board (Cameroon GCE Board) for transcriptions of exams to braille and vice versa for 137 visually impaired. They also supported the construction of a ramp in a government school which has served over 1500 children including 50 Children with Disabilities. Père Spiritain in Douala has been able

to convince 3 schools to receive children with disabilities through workshops and sensitization meetings with school authorities. Fille de la Charité was able to advocate for the inclusion of 35 CwDs and 150 peers in mainstream schools.

Similarly, partners are making regular visits to various education establishments where CwDs are sent to monitor their progress in schools and to sensitize other learners on the need to accept and not discriminate against CwDs, school authorities on the need to respect the rights to education of their CwDs. Partners are using expertise within their zone of intervention to teach teachers inclusive practices. Wellbeing in the Centre Region has partnered with an inclusive school CESAM – CRERA to teach teachers in their zone of intervention on inclusive practices. Also dialogue was undertaken with the authorities of the catholic schools in the centre region on the need to make their schools inclusive.

**Social:** Under this component, a total of 213 families benefited from counselling support while 145 CwDs participated in sporting and leisure activities. A total of 463 parents participated in supports groups. All POs were supported to create Support Groups of Parents of Children with Disabilities. Some partners have more than 1 Support Group. The creation of Support Groups added a lot of quality to the advocacy component of the child empowerment program. A parent support group in Yaounde successfully advocated for the employment of some parents of children with disabilities. This will increase the income level of the parents who will be able to better take care of their children. More so, a support group in Tobin called “vernyuy” support group established close links with the Kumbo Council which enabled 10 of their children to be shortlisted to benefit part payment of school fees and the provision of school material at the start of the academic year in September 2017. Support Groups in the Bangang area received training on CBR which enabled them to act as CBR field agents in the communities. Progress is being made to legalise the support groups. Partner organisations and their field workers trained in CBR implemented lessons learned. Psychosocial counselling is being provided to families, advocacy on the inclusion of children by community stakeholders and follow-ups.

**Livelihood:** POs were encouraged to partner with local mainstream vocational training institutions to train CwDs. This was done and 28 CwDs were enrolled in such centres of their choice. Sensitization was carried out in those centres to ensure the acceptance of these children. Four children through a PO were able to establish their independent workshops thanks to the skills training they were financed to benefit from. This however is still an area with huge gaps in the network. Inclusive Vocational training facilities are lacking and there is need for great improvement in this area.

**Provision of Cars to Partner Organisations:** LF approved a total of 105,000 euros (68,875,485) Frs. for the CBHS to support POs in obtaining means of transport. Five POs benefitted from this grant.



## PHOTOS OF VEHICLES BOUGHT WITH MIVA FUNDS December 2017

October to

Handing over of vehicle to Père Spiritain



CBC CAF, EDID Program staff and team from Père Spiritain pose for pictures



CBC Chief of Administration and Finance, hands vehicle to Père Adamou, coordinator of Disability program of Père Spiritain

## **Malaria Control and Prevention Program**

The CBC Health Services Malaria Control and Prevention Program started on February 1, 2017 with the recruitment of a malaria Focal Point in the person of Dr. Nfor Emmanuel. As a first stage in program design, the Focal Point carried out a situational analysis through a point of care questionnaire that was administered to all facilities and gaps in interventions were identified. This set the stage for activities to be conceived for execution. The program is committed to ensure standard management reference for patients with malaria in order to attain uniform malaria case management in all CBCHS health facilities as a key to reducing morbidity, mortality and socio-economic losses. Our guiding principle is the promotion of safe, effective, good quality, affordable, accessible and acceptable malaria treatment, and at the same time encourage rational drug use in order to minimize development of drug resistance.

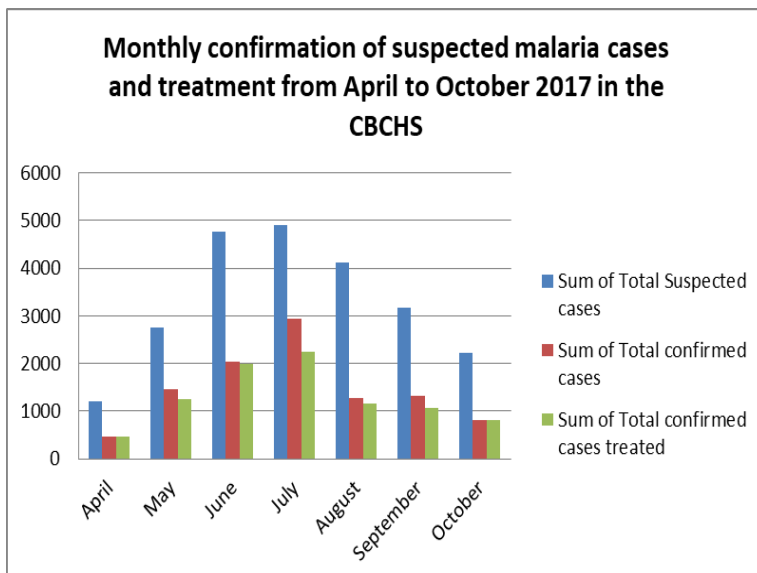
Drawing inspiration from guidelines of other Sub-Saharan sites and the WHO, CBCHS malaria treatment guidelines were drafted and adopted by the malaria development committee. Finalization is in process and copies will be printed for distribution and use in all facilities. The CBC Health Services joined the rest of the world for the very first time in activities to commemorate celebration of the World Malaria Day 2017 on April 25, under the theme: ‘END MALARIA FOR GOOD’. Celebrations at the CBC Health Services had four major activities: Production and distribution of posters, Radio talk shows on CBC radio FM 102.7, an address from the Director of Health Services to all CBCHS institutions, and representation at the national symposium on malaria. The malaria Focal Point presented on the title: “CBC Health Services, 60 years of sustained efforts in malaria management.” From data presented about patient attendance in CBC health services facilities, it was noted that the CBC health services

handle 10% of patients in Cameroon. This revelation and increased collaboration with the NMCP leading to the request that the CBC health services be involved in future decisions on malaria interventions in Cameroon.



*Participants at the National symposium on Malaria, 26/04/17 at the OCEAC Hall Yaounde*





The reporting of detail data of malaria interventions was started after the monthly reporting forms were designed and circulated to all health facilities.

*Figure 1, Summary report of data from facilities*

Two formal training workshops for nurses, midwives, pharmacy staff and screeners were organized for a total of 53 participants. The theme for both workshops was “Minimizing Errors in Diagnosis, Treatment and Follow-up of Malaria Cases with CBC Health Services facilities”, and had 8 units.



*Plenary discussions at the Training workshop in CP Mutengene, 3<sup>rd</sup> – 4<sup>th</sup> August 2017*

Thirty one nurses from the Primary Health care centres and representatives of the administrator of LAP were trained in four parts; an introduction into the burden of malaria and its transmission, the community health worker and the burden of malaria, case study in which the trainees were divided into three groups with each having a particular case study with questions



and presentation by each group in a plenary. The last part was dedicated to monthly reporting of malaria using the designed report forms.

### *Lectures during the training*

The Malaria Control and Prevention Program has accomplished a lot in a short time, thanks to the high level of cooperation from management and the field staff in the different facilities.

### **Non-Communicable Disease (NCD) Control and Prevention**

In 2017, the program focused on ensuring implementation of activities to map the second year of existence and integrating to improve services. The program started the implementation of two significant projects. The first one was to scale up Know Your Numbers (KYN) as a pilot study to 7 Health Districts with the collaboration of Novartis and the second one was to strengthen the capacity of our consulting staff in the domain of NCDs, supported by the World Diabetes Foundation. This is besides other program development activities that were earmarked for 2017.

#### **Results:**

**Standardization of KYN:** KYN has been standardized for facility and community based delivery. The KYN Campaign is a population based NCD prevention strategy to optimize population health by encouraging healthy individuals to screen for NCD risk through a comprehensive Risk Exposure Assessment developed by the CBC Health Services. This is being piloted in 7 health districts. The full results will enable the determination of what works best for NCD prevention in Cameroon for scale up.

**Capacity Building:** Twenty eight (28) nurses were trained on KYN and deployed to 7 sites while seven Data Clerks were trained on reporting. Also, training materials are being developed and there are plans to train 20 diabetes educators, train 50 Community NCD Peer Educators and 210 services providers to consult and better support the management of NCDs within the CBCHS health facilities.

**Screening:** In 2017, 34 KYN community Outreaches were conducted, screening a total of 9180 persons both in the facility and communities. Analysis of the statistics shows that 98% of women

and 90% of men have at least one NCD risk factor. We know that risk factors of today are the diseases of tomorrow. This high value indicating those exposed to NCD risk factors in our communities explain the increasing number of NCD cases in our community. This also points to the fact that within the next 10 years, as many as about 90% of the population, will be consulting for an NCD, a further indication that more needs to be done

**Sports:** Sports committees are waking up especially as leaders are taking the challenge and promoting sports for workers. The Program will be taking more steps to promote physical activity for workplace health, such as requesting for a professional sports master to lead physical activity efforts in the Board. This is not only as a means for better health for staff but also a means to better productivity. It's an invaluable service being offered by the Board to its staff for which we are sure, staff will be grateful.

The program led the commemoration of the World Diabetes Day in 10 sites including BBH, BHM. T-Shirts were produced and awareness was created to the public in 10 clinics as well as over the radio and TV stations.

**Advocacy:** We succeeded to advocate for the completion of the National Multisectoral Action Plan. The speed of this work was hastened because of the involvement of the CBC Health Services NCD program whereby; we used the skills obtained from WHO training in the UK to empower the government to prepare a palatable document with better structure and content. This was highly appreciated by the MoH. The Launching of this document is planned for 2018. We also held a “Conversation” with persons living with diabetes, an initiative called “Our Views, Our Voices”. This is an idea of the Global NCD Alliance. Information from this session will be used to develop a five year global advocacy strategic plan for persons living with NCDs.

**Organization in Official Relations with WHO on NCDs:** Process of Organization in Official Relations with the WHO: We started a two year process to set the CBCHS in Cameroon as an Organization in official relations with WHO on NCDs. We also have continued to work with the WHO to bring the Short course for population based NCD prevention and to conduct a STEP wise survey in 2018. This survey is a risk factor survey that provides official national quantification of NCD risk factor prevalence for use in program and policy formulation, monitoring and evaluation of prevention and control efforts. The proposals are currently being worked on for submission Through these two initiatives, we will be able to increase the work



force to drive the needed services to attain NCD prevention and control targets at all levels in Cameroon.

**Research:** Funds were secured to do a Pedometer study to investigate the effects of step counter devices on physical activity goals and health outcomes.

**Establishment of EMR:** Through collaboration with the World Diabetes Foundation, the program was able to support the establishment of a network infrastructure in Nkwen and BHM upon which software will run to improve service deliver and reporting. A Tender process for the Local Area Network Equipment was started. Installations will take place in January 2018. The program started work on registries, designing data that will be collected and used for reporting

**Access to Medicines:** The Novartis Access initiative started in March 2017. The program ordered 14 NCD medicines, 8 of which were supplied. Two trainings were provided by Novartis which are going to strengthen CP's work. A Quality Assurance and Compliance and a Pharmaco-vigilance trainings were conducted. Results of these trainings have been increased collaboration between the program and Central Pharmacy whereby the Central pharmacy is now engaged in improving on their processes, developing SOPs and ensuring quality and pharaco vigilance as part of their services.

### **AIDS Care and Prevention Program**

The CBCHS AIDS Care and Prevention Program is a comprehensive and ongoing program which focuses on HIV prevention through health promotional messages, Care and Treatment services, psychosocial and spiritual support of the infected and affected by HIV/AIDS. World AIDS Day 2017 was commemorated throughout the CBCHS institutions under the theme: "The Right to Health" and the slogan was "Accelerating the HIV response". To optimize its exploits and achievements over the years, the ACP in 2017 aligned its objectives to the globally set sustainable development goals for 2020 which demand that;

- ☐ 90% of children and adults living with HIV know their status,
- ☐ 90% of children and adults living with HIV receive treatment and
- ☐ 90% of children and adults on treatment achieve viral suppression.

**The prevention programs** (Youth Network for Health, the ViiV Community Project in Northwest, the Community Initiative AIDS Care and Prevention Program in Southwest, the Contact tracing program and New Life Club) were very busy sensitizing the population for positive behavior formation, change and sustenance. Their sensitization messages which included 31 radio programs encouraged early ANC attendance and the importance of male partner participation. In 2017, these programs trained a total of 5,300 community members to function as HIV and AIDS resource persons and through them a population of 105,200 was sensitized on issues of HIV and STIs. The Voluntary Counseling and Testing exercises that took place in 2017 reached a total of 14,315 persons screened in the community with 105 tested positive to HIV. The Contact Tracing and Partner Notification Program identified and enrolled 11,723 index persons, traced 15,806 of their contacts and notified 14,142 of them. A total of 12,107 contact persons were tested for HIV and 2,766 were positive and 2,576 were placed on treatment.

**The new life club** outreach activities included the identification and creation of associations of Female Commercial Sex Workers (FCSWs) to curb the risks of acquiring and transmitting STIs, especially HIV and AIDS. There are 50 functional clubs with 898 members enrolled, 730 of which are active. Family planning services have been provided to 1,842. The number tested was 561 and 52 tested positive to HIV and all 52 were put on treatment. The club activities assisted members to quit sex as a profession through continuous provision of alternative skills and activities (petit self-help projects, schooling, apprenticeship in various disciplines, and business/trading).

### **Care and Treatment Services**

CBCHS supports care and treatment activities in six of the ten regions in Cameroon with funding from CDC/PEPFAR and EGPAF. The CDC/PEPFAR grant was extended in the Northwest and Southwest into the second phase which primarily focused on sustaining Care and Treatment services. The PEPFAR grant of the Center and Littoral regions are intended to strengthen the services and achieve epidemic control. Minimal funding from EGPAF was used to support existing services in West and Adamawa regions while hoping that more funding could become available funding partners. PMTCT testing was offered to 18,261 pregnant women at 125 sites supported by EGPAF in West and Adamawa regions of Cameroon. While Care and Treatment services were provided to 568 of those that were HIV positive. In 2017, the HIV Free Project with PEPFAR grants supported a total of 162,738 clients through 355 sites across the four

project regions. Of the clients supported, 7,979 were pregnant women who were receiving treatment for PMTCT and for their own health. The Local Capacity Initiative (LCI) project which focuses on community mobilization to increase the uptake of PMTCT and other health services in ten health districts of the Northwest & Southwest continued with their activities. This component of the project will end in March 2018.

**The CBCHB owned Care and Treatment** registered 17,405 (5004 Male and 12401 Female) clients on treatment, 27.62% of who had Viral load test. With PEPFAR support, the sites in the Northwest region conducted outreach clinics to make ART drugs accessible to clients in enclaved areas thus enhancing adherence to care and treatment. The support also enhanced the creation of Children Friendly Corners in some Care and Treatment Centers and this enabled children and adolescents living with HIV to be given quality care and support.

**The Tuberculosis Program** continued with counseling and testing service at all the 6 sites for TB patients, reaching 628/628 registered patients with HIV testing services. Of those tested, 235 (37%) were HIV positive and were all placed on ART

**The Women's Health Program:** Etoug-Ebe Baptist Hospital WHP became one of the ACMS (PROFAM) sites. Two trainings for Service Providers were held for 6 days each. The trainings covered topics on Cervical Cancer Prevention, Breast Cancer, Reproductive Tract Infections and Family Planning. All 21 participants came from WHP and some CBCHS Health Centers. Program also participated in the international conference on cervical cancer program to train staff to do cervical cancer in the West, East and South regions. The Program collaborated with Run for a Cure Africa to screen women for breast and cervical cancer at Mbingo and Douala. The Program screened 7,110 for both family planning, cervical and breast cancer respectively and 7,478 for family planning only. A total of 423 were positive for precancer and 121 were confirmed cases with precancer. A total of 209 were treated with thermal coagulation or cryotherapy and 23 with LEEP.

**The Chosen Children program:** The program continued to support 3,025. The World AIDS orphans day was observed and the sum of 500,000frs was raised besides material donations to the Chosen Children. All 88 children who fell sick received medical treatment with their total medical bills amounting to 5,578,260 Frs. The program also carried out advocacy activities led by Children for Orphans (CFO), who exposed the plight of orphan children. Thirty three children received baptism in their local churches meanwhile 41 received Christ during Jesus film projection in 5 different areas in Ndu and Nso fields respectively. Over the year, children who

have received some support from the program include one Medical Doctor (Dentist), one Public Works Technician, 11 Nurses, 25 School Teachers, 5 Hotel Managers, 40 Carpenters, 25 Hairdressers, 13 Builders, 55 Tailors/Seamstress. 210 got married. There are 112 Caregivers operating small businesses that help them to sustain their families. The prompt medical assistance has improved the health of children who were sick, especially those that are HIV + (89) and are regularly on antiretroviral treatment and 5 Sickle cell patients. CBC Health Board staff have frequently and generously supported the Program especially during World AIDS Orphans Day.

**The key needs of the Program** are finances to cater for the school and apprenticeship fees of the children and to cover the medical bills of those that fall sick. We estimated support for a Chosen Child and their family for a year as follow;

- Primary School Child: \$200.
- Secondary School/Apprenticeship: \$300.
- Child Living with HIV: \$400.
- 65% of CCP donations directly support the children, 18% is personnel cost while 17% goes for operations.

**Support Group:** There were a total of 154 groups composed of 597 males and 2,761 females making a total active membership of 3,358. Meanwhile, there were 1,572 irregular members. The grand total Support Group membership including irregular members was 4,930. The Support Group income generating activities which included the sales of consumable goods, canteen business and phone booths are faring well.

**The Palliative Care Program** continued to sensitize the population on its services. In 2017, 19,289 people were sensitized in 296 churches and the gospel message was shared to 1,077 people in different groups, 3 Bible Conferences. Three radio programs were carried out as part of sensitization. This was made possible with external support.

**The nutrition program** operated in 32 sites: 18 have a resident Nutrition Counselor while 14 are Outreach Sites. These sites include 28 CBCHS facilities, one Catholic site and three Government Health Facilities. A total of 218 cartons (21,800 sachets) of NIPSOYA were purchased and supplied to clients with different conditions with the aim of preventing low nutritional status. A total of 269 Children were treated for Malnutrition, 4,683 received diabetic counseling, 104 food demonstrations.

**Adopt a Health Care Worker Program** continued to realize more membership with increased sensitization. This has enabled some staff to benefit from health assistance which would have otherwise been difficult for the board to cover. At the end of 2017, the account balance was about 22 million FCFA.

The CBCHS HIV response programs have continued to identify and use every avenue available to offer unprecedented intervention to the HIV pandemic. Most of the CBCHS-ACP programs have been able to accomplish a greater portion of 2017 planned activities despite the limited resources. The program staff worked very hard and with commitment to accomplish the aforementioned results.

### **CBCHS Burkitt Lymphoma/Childhood Cancer Service**

The CBCHS childhood Cancer service continues to operate in three Childhood Cancer Treatment Centres at Mbingo, Banzo, and Mutengene Baptist hospitals. The cost of pathology, chemotherapy, management of comorbidities, laboratory investigations and surgery were largely funded by the program. Food support and transport support is also provided to all patients. The program continued with long term follow-up of patients to establish the real outcome.

**Patients and Treatment:** In 2017, a total of 108 new patients were recorded and treated. The main disease categories are Burkitt lymphoma (BL), retinoblastoma(RB) and Wilms tumours (WT) which are all treated according to internationally recommended and IRB approved protocols for low income countries.

**Parent Support Group Activities:** World Child Cancer Day was celebrated at every hospital, raised awareness of childhood cancer, and solicited financial donations. Our partnership in the piggery with the CBR at Mbingo Baptist Hospital continued to provide regular income. A Parents' Home was constructed at MBH and named "We Care". It consists of 8 parent rooms and 4 guest rooms for paying guests.

**Hospital Facilities:** At Mbingo Baptist Hospital the new wing to enable the move of the X - ray and Ultrasound departments adjacent to the children's ward will create more space for a new 8 bed children's cancer ward adjacent to the existing children's ward. At Mutengene, the pediatrics ward was renovated and an 8 bed dedicated space was created for pediatric oncology, as well as room for recreation.

**Staff Development and Changes:** Dr Francine Kouya returned from training from the Adult and Paediatric Cancer Service at Tygerberg Hospital and Tygerberg Children's Hospital,



Stellenbosch University, South Africa and is managing the Oncology Service for children and adults at Mbingo Baptist Hospital. Dr Kifem Vincentia is in her third year of training as paediatrician at Yaounde University. Mr Mbah Glenn completed his MPH Course in London, while Mr. Njodzeka Bernard began his studies for an MPH. A nurse training workshop held at MBH, where 20 members of the nursing team from the three hospitals received training from senior colleagues and partners from Leeds children's cancer hospital.

**Academic Activities:** The African Collaborative Study for the treatment of WT continues to have good patient accrual, and is well managed by Nurse Nana Philippa and Dr Kouya Francine at MBH. The program contributed to five peer-reviewed journal articles and program staff made six oral presentations and five oral presentations at international pediatric oncology conferences. Partnerships: The program continues to benefit the support of the Beryl Thyer Memorial Africa Trust(BTMAT), World Child Cancer, U.K, and Stellenbosch University, South Africa. A new twinning partnership has been established with Leeds Children's Hospital which will increase support from expert pediatric oncologists and nurses.

### **Chaplaincy Department**

The ministry of the Chaplaincy experienced what it means to minister to many people who were traumatized or affected in some other ways due to the unrest in the Northwest and Southwest regions this year. The department continued with region activities which include sharing the word of God through teaching, preaching and counseling to our clients and their caregivers as well as staff. Chaplains were encouraged to take the initiative and engage staff on a one-on-one interaction to get to know them more so as to minister to them appropriately. We explore every opportunity at our disposal to ensure Pastoral care was offered to all who need it within and around our premises. Thus, we intensified with the kitchen ministry (ministry to those who for one reason or the other stay at our kitchens, either short term or long term). One of such scenarios in MBH turned out to be a success story for which we praise God. A young man who could not go back to his family because he was rejected by them and could not settle his bill was ministered to by the chaplains. He confessed Christ, was disciplined by the Chaplains and in the process sensed the call of God to go into ministry. He wrote the entrance into CBTS, succeeded and is currently doing a diploma of theology at CBTS Ndu. The Chaplains have also initiated ministry in our mini markets in BBH and MBH. Another area that is under consideration for now is ministry to the bike riders who transport hospital clients.

The Sunday worship service program in MBH for patients and caregivers is steadily gaining grounds with a lot of testimonies from patients about what God has done in their lives. The worship service is organized with patients in mind especially as it relates to the time span. There are plans to replicate the Sunday worship program in major hospitals like BBH and BHM.

The department extended the organization of couples and singles seminars in many facilities like Voundou, Kumba, BBH, BHM. Many staff in various institutions are undertaking the TEE course for their self-spiritual improvement which directly has an influence on service. In the area of ministry to patients through TV, we distributed the devotional and Choir video which we produced and they are used in many of OPDs. This year the Choirs of BHM, BBH and MBHD did recording and production is pending.

### **Center for Clinical Pastoral Education and Social Services (CECPES) and the Community Counseling Clinic (CCC)**

The CECPES and the CCC are two Health Board programs that have to do with training and counseling. While CECPES takes care of capacity building as an educational program, CCC builds lives in areas shattered by some realities, giving those lives hope again. In 2017, CCC witnessed an increase in marriage and family problems. Interestingly, while these problems are in the increase, the clinic also conducted the highest number of premarital counseling. The good news is that there was heightened awareness for premarital counseling giving us hope that future marriages will witness fewer and less damaging family conflicts than in the past. In the same vein we have received and celebrated with couples we have counseled over a seven year period whose marriages (though not void of minor problems) are intact. They credit their stability to the fact that they took time to work through issues during premarital assessments and counseling.



One approach CCC devised to reach communities is through seminars. We have been able to handle several issues through this group approach. The seminars include the couples, singles, and widows seminars. Five couple seminars and workshops were organized in different venues reaching a total of 644 individuals. This year's

emphasis was on parenting, sex education for children, financial management as couples, ways to revitalize sex life while exploring reasons for sexual starvation amongst some couples, “TIPS” of a healthy Christian family, and the damaging effects of difficult personality issues if unchecked. Debriefings following sessions showed that couples left the seminars and workshops challenged to make a difference in their relationships.

### **Couple workshop at BHM**



The Community Counseling Clinic proactively reached out to singles in community through four single seminars and workshops on the topics; importance of self-awareness in marriage, importance of premarital counseling before marriage, “TIPS” of a healthy Christian marriage, and the importance of endeavouring to be the better person you hope to see in others.

### **SINGLES SEMINAR/WORKSHOP AT NKWEN BAPTIST CENTER**

Sadly, the CBCHS is witnessing a rise in the number of young widows and widowers. We organized a widows and widowers’ seminar at Nkwen Baptist Center and formed a support network with members present.

This year witnessed an increase in counseling statistics with issues ranging from mental health related issues, adolescent issues, interpersonal and inter-professional issues, personality modification, marriage and family counseling to guidance in various areas of life. The integrative approach in assessing our clients saw several of them confessing Christ and many others strengthened in their resolve for God.

Apart from Seminars, CECPEs has continued to be a Training/practicum site for many young students aspiring to become professional counselors, pastors or social workers. This year, CECPEs registered a good number of students from the Guidance and Counseling Program of the University of Bamenda, Practicum students from Psychology Department of the University of Dschang, the University of Buea Sociology and Anthropology Department, a PhD student from the University of Douala Psychology Department, and a Master of Counseling Student from the Christian University in



**SOCIAL WORK STUDENTS IN INTERPERSONAL GROUP SESSION** Kumba. August this year also saw the graduation of some over 40 students. A good number were from the CBTS in Ndu since this program is a required course for their counseling program. There were social workers on private sponsorship and two chaplains for the extended in-service unit.

The key needs of this department include additional staff to be able to serve more communities and furniture for the practicum rooms.

### **Technical Services Department (TSD)**

The main assignments of the Technical Services Department for 2017 were to continue implementation of Strategy nine projects, internally funded projects, handle designs and drawings for further development and staff capacity building.

2017 was the third year of implementation of the Strategy Nine Projects package. In this light, the following were accomplished;

- MBH OPD was completed and dedicated
- Kumba Health Center Medical Block was provisionally received



### **Kumba Health Center Medical Block**

- The Technical Reception of Ekounou Health Center was done
- Technical Reception of Bafoussam Health Centre was done
- The Bafoussam biogas system was completed pending acquisition of the balloon
- The Ekounou Biogas System construction was suspended. A septic tank will be constructed to serve in the meantime.
- Nkwen Baptist Health Centre Maternity last deck was done, all partitions done, internal plastering and dressing done and roofed. Targeted completion date is March 2018.
- MBH OPD was completed

Besides S9PP, the Department executed or supervised the construction of the following projects

- Nkoabang Health Centre
- Jikijem Theatre Block
- MBH Staff residences

The Technical Services was involved in the following projects, which are still on going

- Ekondo Titi Health Centre foundation which is almost completed
- Integrated Centre of Excellence Mvan: Structural work done and the roof and finishing are about to begin
- Remodeling of the Director of Cooperating Missions House
- Remodeling of Executive President's House
- Study/Design of a new block for Ndu Baptist Health Centre is going on
- Sabga Maternity project was done to the roof level and other finishing are being done
- Plans for upgrading Jikijem Health Centre to Hospital status
- Kumba Baptist Church Underpinning to reinforce the structure is being done.

The department designed and studied many projects for subsequent executions. These include;

- |   |   |
|---|---|
| 1. CBC Head Office Building             | 8. MBH Surgical Ward Extension                                |
| 2. Integrated Centre for Excellence     | 9. MBH Doctors' Duplex  |
| 3. MBH Client Centre Building (revised) | 10. Mamfe Health Centre                                       |
| 4. Kumba Client Centre Building         | 11. Health Services Complex Housing Estate at Mile 14 Dibanda |
| 5. Bafoussam Rest House                 | 12. MBH Oncology Building                                     |
| 6. Bangolan Doctors' Duplex             |   |
| 7. Banyo Hospital OPD Extension         |   |

**BAPTIST VOCATIONAL TRAINING PROGRAM:** The Vocational training program run by the TSD faced major challenges because of the social crisis going on in the Northwest Region. Notwithstanding the challenges, the school goal to change the name from Apprenticeship Training Program to Baptist Vocational Training Program was approved by the Minister of Employment and Vocational Training. The school graduated 6 carpenters sponsored by a National Employment Ministry scholarship, got agreement for renewal of the partnership and new students registered under the program.

**ENVIRONMENTAL MANAGEMENT ISSUES:** TSD Technical Supervisor and five other CBCHS staff attended an Infection Prevention/Water Sanitation and Hygiene seminar in South Africa. The Department, with the Environmental issues and Emergency committee mobilized to engage Environmental Impact studies for most of our facilities and the process is ongoing. An agreement was established with an agent, SOCAVER in Douala, for the disposal of glass bottles (injection bottles). All bottles should be gathered and sent through the main hospitals to Central



Pharmacy for disposal and records on all sending be kept properly. The Department ordered two factory made, diesel operated incinerators from India and hope to receive them in January. The two incinerators are to serve Yaoundé and Douala for the first time and depending on their good functioning, more will be ordered for other Institutions.

The Department's current office is facing a functional challenge caused by the noisy environment and this affects staff productivity and health.

## B. HEALTH INFORMATION MANAGEMENT SYSTEMS (HMIS)

But for Mamfe Baptist Health Center that did not report in the month of December 2017 due to short down in that month as a consequence of the socio-political environment prevailing in the Northwest and Southwest regions, all the hospitals and health centers of CBCHS reported throughout the year. Compared with 2016, there was a reduction in outpatients' service uptake in 2017. However, there was an increase in admissions in 2017. The tables below summarize the key performances in 2017 compared to 2016

**Table 1 Summary performance of CBCHS institutions in 2017**

INDICATOR/DEPARTMENT	BBH	MBH	BHM	BHB	MBHD	DBH	EBHY	SUPERVISED IHCs	Total
Bed Capacity	337	294	176	40	134	36	-	705	1,722
Staff Strength*	601	794	396	57	448	17	211	1,337	3,861
OPD attendance	88,932	87,289	114,676	9,180	229,682	5,629	148,217	402,179	1,085,784
Inpatient Attendance	7,834	12,508	6,516	1,274	8,967	766	-	20,743	58,608
Deliveries	1,302	883	880	184	3,302	128	-	3,542	10,221
Major Surgeries	2,540	4,332	2,295	183	1,504	27	-	-	10,881
Minor Surgeries	5,151	4,783	3,970	519	4,000	232	1,253	8,358	28,266
Deaths	527	507	170	52	212	9	-	319	1,796
Prescription served by pharmacy	70,481	59,558	72,506	8,192	186,436	3,974	105,922	264,743	771,812
Laboratory	34,914	47,023	32,537	6,603	91,928	2,499	51,974	168,043	435,521
Patients served by Doctors	7,964	34,212	52,020	2,084	100,058	2,589	26,886	72,748	298,561
Patients served by Screeners	24,075	48,753	28,423	6,446	129,624	1,682	46,123	247,458	532,584
Eye Department	10,792	11,063	14,056	431	25,948	171	20,759	29,835	113,055
Chaplaincy	12,645	9,472	8,832	620	2,273	576	779	19,905	55,102
Social Worker	4,388	4,890	4,211	48	4,427	-	2,756	6,803	27,523
Dental Department	5,328	2,661	3,817	353	6,919	-	11,905	17,209	48,192
Ultrasound Department	9,976	14,364	7,853	1,432	14,978	-	5,159	9,060	62,822
Physiotherapy Department	5,608	9,526	3,959	670	9,365	-	3,768	11,105	44,001
X - Ray Department	16,690	13,563	4,604	735	2,511	14	-	261	38,378
Nutrition	5,291	2,744	2,270	537	8,123	69	729	7,546	27,309
Cervical Cancer screening	1,487	2,845	1,108	-	2,262	-	728	2,759	11,189
ENT	2,225	5,708	1,902	-	7,653	-	5,737	342	23,567
Mental Health	2,424	169	19	-	61	21	-	844	3,538
Palliative Care	1,015	5,180	1,176	-	435	-	2	138	7,946
Know Your Numbers	966	1,407	1,058	-	1,700	-	688	3,417	9,236

\*: Staff of supervised IHCs includes those of LAP, DHS OFFICE, HSC AND TSD

**Table 2.1 – Distribution of beds by Hospitals and Health Centers**

<b>Hospital</b>	<b>Medical</b>	<b>Maternity</b>	<b>Paediatric</b>	<b>Surgical</b>	<b>Total</b>	<b>%</b>
BBH	169	64	45	59	337	20
MBH	154	23	26	91	294	17
BHM	32	35	33	76	176	10
MBHD	28	48	33	25	134	8
BHB	17	8	7	8	40	2
DBH	20	16	0	0	36	2
EBH	-	-	-	-	-	0
Other Institutions	322	243	111	29	705	41
<b>Total</b>	<b>742</b>	<b>437</b>	<b>255</b>	<b>288</b>	<b>1722</b>	<b>100</b>

**Table 2.2 Number of Beds distributed by ward, comparing 2016 and 2017**

<b>SN</b>	<b>WARD</b>	<b>2016</b>	<b>2017</b>	<b>CHANGE IN NUMBERS</b>	<b>% CHANGE</b>
1	Medical	754	754	0	0
2	Maternity	381	425	44	11.5
3	Pediatric	230	255	25	10.9
4	Surgical	218	288	70	32.1
	<b>TOTAL</b>	<b>1583</b>	<b>1722</b>	139	<b>8.8</b>

The number of beds in CBCHS institutions increased by 8.8% in 2017. Most of the increase in the number of beds is from BHM where construction was carried out creating more space for surgical beds.

**Table 3.1 staff strength by cadre comparing 2016 and 2017**

<b>SN</b>	<b>CADRE</b>	<b>2016</b>	<b>2017</b>	<b>CHANGE IN NUMBERS</b>	<b>% CHANGE</b>
1	Doctors	65	94	29	44.6
2	Nurses	891	947	56	6.3
3	Auxiliary	537	596	59	11
4	Paramedical	443	442	-1	-0.2
5	Administrators	25	24	-1	-4
6	Administrative staff	96	132	36	37.5
7	Chaplains/Social workers	76	76	0	0
8	Clerical Staff	253	335	82	32.4
9	Support/Temporal staff	1139	1215	76	6.7
	<b>TOTAL</b>	<b>3525</b>	<b>3861</b>	<b>336</b>	<b>9.5</b>

**Table 3.2 Staff strength by institution and cadre**

SN	GRADE	DHS CENTRAL	HSC	LAP	PTSHF	BBH	MBH	BHM	MBHD	BHB	DBH	EBHY	OTHERS	TOTAL
1	Doctors	1	0	0	0	10	21	11	25	1	0	11	14	94
2	Nurses	4	7	18	5	155	218	118	164	10	4	48	196	947
3	Auxillary	1	15	10	0	128	109	65	45	12	5	20	186	596
4	Paramedical	3	34	3	0	76	70	50	51	10	1	39	105	442
5	Administrators	3	2	1	1	4	4	2	4	1	0	1	1	24
6	Admin Staff	63	13	3	0	9	11	5	11	1	0	7	9	132
7	Chaplains/Social workers	6	2	2	0	15	13	10	5	1	1	3	18	76
8	Clerical Staff	14	13	4	1	44	66	38	41	5	0	22	87	335
9	Support/Temporal staff	63	87	23	3	160	282	97	102	16	6	60	316	1215
	<b>TOTAL</b>	<b>158</b>	<b>173</b>	<b>64</b>	<b>10</b>	<b>601</b>	<b>794</b>	<b>396</b>	<b>448</b>	<b>57</b>	<b>17</b>	<b>211</b>	<b>932</b>	<b>3861</b>

There was 9.5% increase in the staff strength of CBCHS. There was a small decrease in the number of administrative and paramedical staff in 2017 while the rest of the cadres increased.

**Table 4.1 Outpatient Attendance**

SN	INSTITUTION	2016	2017	CHANGE IN NUMBERS	% CHANGE
1	BBH	90,758	88,932	(1,826)	-2
2	MBH	93,964	87,289	(6,675)	-7.1
3	BHM	120,286	114,676	(5,610)	-4.7
4	BHB	9,808	9,180	(628)	-6.4
5	MBHD	223,343	229,682	6,339	2.8
6	DBH	4,823	5,629	806	16.7
7	EBHY	141,433	148,217	6,784	4.8
8	Other Institutions (IHCs)	418,672	402,179	(16,493)	-3.9
	<b>TOTAL</b>	<b>1,103,087</b>	<b>1,085,784</b>	<b>(17,303)</b>	<b>-1.6</b>

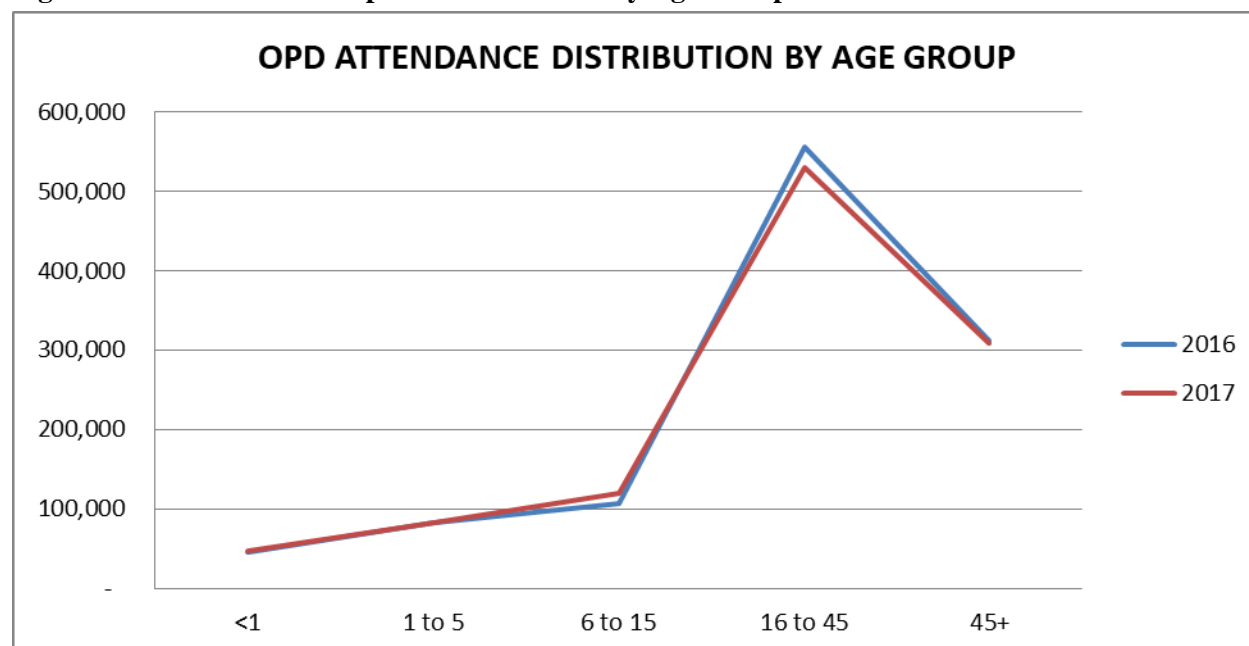
There was a 1.6% decrease in the outpatient attendance of CBCHS institutions in 2017. But for MBHD, DBH, and EBHY, the outpatient service utilization decreased in the rest of the CBCHS hospitals and health centers put together. The decrease at MBH, BBH and in some supervised integrated health centers put together in the Northwest and Southwest regions is influenced by the ongoing unstable political atmosphere.

**Table 4.2 Distribution of Outpatient by gender**

SN	GENDER	2016	2017	CHANGE IN NUMBERS	% CHANGE
1	Male	435,611	433,602	(2,009)	-0.5
2	Female	667,476	652,182	(15,294)	-2.3
	<b>TOTAL</b>	<b>1,103,087</b>	<b>1,085,784</b>	<b>(17,303)</b>	<b>-1.6</b>

Generally, more females utilized the services at CBCHS institutions than males in 2017.

**Figure 1 Distribution of Outpatient Attendance by Age Group**



There is a similar trend in the age group distribution of patients served on outpatient basis in 2016 and 2017

**Table 5.1 Five Health centers with Highest OPD Attendance in 2016 and 2017**

SN	2016		2017	
	Health Center	Attendance	Health Center	Attendance
1	NKWEN	144,754	NKWEN	135,922
2	KUMBA	74,416	KUMBA	51,739
3	EKOUNOU	35,690	EKOUNOU	36,376
4	BAFOUSSAM	35,288	BAFOUSSAM	35,239
5	NDU	18,195	NDU	18,299

The five centers in the list of health centers with highest outpatient attendance in 2016 were retained in 2017. Although Nkwen and Kumba Baptist Health Centers remained on top of the list, their service uptake reduced in 2017 while there was a small increase in service utilization at Ekounou. Bafoussam and Ndu Baptist Health Centers had similar utilization rates in both years.



**Table 5.2 Five Health Centers with lowest OPD attendance in 2016 and 2017**

SN	2016		2017	
	Health Center	Attendance	Health Center	Attendance
1	KOUSSAM	1723	KOUSSAM	1515
2	NDEBAYA	2082	ALLAT	1763
3	BAYANGAM	2181	NDEBAYA	1881
4	ALLAT	2294	BAYANGAM	2376
5	AKEH	2471	AKEH	2608

The same set of health centers were on the list of five centers with the lowest outpatient attendance. There was a small increase in the uptake of services at Bayangam and Akeh Baptist Health Centers while the rest of the centers on this list decreased in service uptake.

**Table 6.1 – Admissions by institutions and by wards**

HOSPITAL	MATERNITY	PEDIATRIC	SURGICAL	MEDICAL	TOTAL	%
BBH	1340	1162	1611	3721	7834	13.4
MBH	1017	1057	3779	6655	12508	21.3
BHM	1342	939	2225	2010	6516	11.1
MBHD	3525	2099	1556	1787	8967	15.3
BHB	197	323	171	583	1274	2.2
DBH	140	0	0	626	766	1.3
EBH	0	0	0	0	0	0.0
Supervised IHCs	3964	5018	162	11599	20743	35.4
<b>TOTAL</b>	<b>11525</b>	<b>10598</b>	<b>9504</b>	<b>26981</b>	<b>58608</b>	<b>100.0</b>

**Table 6.2 Admissions in 2017 compared to 2016**

SN	UNIT	2016	2017	CHANGES IN NUMBERS	% CHANGE
1	Maternity	11,107	11,525	418	3.8
2	Pediatric	11,096	10,598	(498)	-4.5
3	Surgical	10,083	9,504	(579)	-5.7
4	Medical	24,562	26,981	2,419	9.8
	<b>Total</b>	<b>56,848</b>	<b>58,608</b>	<b>1,760</b>	<b>3.1</b>

Compared to 2016, there was 3.1% increase in admissions of the CBCHS institutions in 2017. Pediatric and surgical wards admissions decreased while maternity and medical wards experienced an increase.

**Table 6.3 Bed occupancy rate in 2017 compared to 2016**

SN	INDICATOR	2016	2017	CHANGES IN NUMBERS	% CHANGE
1	Number of beds	1,583	1,722	139	8.8
2	Number of hospital days	260,112	255,779	(4,333)	-1.7
3	Average length of stay	4.6	4.4	(0)	-0.2
4	Bed occupancy rate	45	40.7	(4)	-4.3
5	Mortality rate	3%	3%	0	0.0

**Table 6.3 Bed occupancy rate by Institution**

SN	INDICATOR	BBH	MBH	BHM	BHB	MBHD	DBH	d IHCs	Total
1	Number of beds	337	294	176	40	134	36	705	1,722
2	Number of admissions	7,834	12,508	6,516	1,274	8,967	766	20,743	58,608
3	Number of hospital days	53717	62554	28619	5498	48831	2107	54,453	255,779
4	Average length of stay	6.9	5.0	4.4	4.3	5.4	2.8	3	4.4
5	Bed occupancy rate	43.7	58.3	44.6	37.7	99.8	16	21	40.7
6	Deaths	527	507	170	52	212	9	317	1794
7	Mortality rate	6.7	4.1	2.6	4.1	2.4	1.2	2	3.1

In 2017, the average length of stay at CBCHS institutions was 4.4 days. The average length of stay was much higher at BBH and MBH; influenced by the surgical, orthopedic and ulcer ward patients. The estimated bed occupancy rate for 2017 in CBCHS institutions was 40.7 %. There is a lot of underutilization of beds at DBH and in the supervised health centers put together. Clearly MBHD needs more bed space.

**Table 7 Patients flow per department in 2017 compared to 2016**

SN	DEPARTMENTS	2016	2017	CHANGE IN NUMBERS	% CHANGE
1	Eye	123,992	113,055	(10,937)	-8.8
2	X-Ray	27,778	38,378	10,600	38.2
3	Physiotherapy	42,064	44,001	1,937	4.6
4	Ultra-Sound	53,582	62,822	9,240	17.2
5	Dental	46,705	48,192	1,487	3.2
6	Laboratory	469,769	435,521	(34,248)	-7.3
7	Pharmacy	783,148	771,812	(11,336)	-1.4
8	Chaplaincy	42,617	55,102	12,485	29.3
9	Social workers	26,738	27,523	785	2.9
10	Patients served by doctors	254,176	298,561	44,385	17.5
11	Patients served by screeners	530,158	532,584	2,426	0.5
12	Nutrition	26,571	27,309	738	2.8
13	Cervical Cancer	9137	11,189	2,052	22.5
14	ENT	NA	23,567	NA	NA
15	Mental Health	NA	3,538	NA	NA
16	Palliative Care	NA	7,946	NA	NA

17	Know Your Numbers	NA	9,236	NA	NA
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The eye, laboratory and pharmacy departments saw fewer patients in 2017 than in 2016. There was an increase in the workload of the rest of the departments.

**Table 8 Departmental Patient Flow By Hospitals and IHCs**

DEPARTMENT	BBH	MBH	BHM	BHB	DBH	MBHD	EBH	IHCs	TOTAL
Eye	10,792	11,063	14,056	431	171	25,948	20,759	29,835	113,055
X-ray	16,690	13,563	4,604	735	14	2,511	-	261	38,378
Physiotherapy	5,608	9,526	3,959	670	-	9,365	3,768	11,105	44,001
Ultra-sound	9,976	14,364	7,853	1,432	-	14,978	5,159	9,060	62,822
Dental	5,328	2,661	3,817	353	-	6,919	11,905	17,209	48,192
Laboratory	34,914	47,023	32,537	6,603	2,499	91,928	51,974	168,043	435,521
Pharmacy	70,481	59,558	72,506	8,192	3,974	186,436	105,922	264,743	771,812
Chaplaincy	12,645	9,472	8,832	620	576	2,273	779	19,905	55,102
social workers	4,388	4,890	4,211	48	-	4,427	2,756	6,803	27,523
Patients seen by doctors	7,964	34,212	52,020	2,084	2,589	100,058	26,886	72,748	298,561
Patients seen by screeners	24,075	48,753	28,423	6,446	1,682	129,624	46,123	247,458	532,584
Nutrition	5,291	2,744	2,270	537	69	8,123	729	7,546	27,309
Cervical Cancer	1,487	2,845	1,108	-	-	2,262	728	2,759	11,189
ENT	2,225	5,708	1,902	-	-	7,653	5,737	342	23,567
Mental Health	2,424	169	19	-	21	61	-	844	3,538
Palliative Care	1,015	5,180	1,176	-	-	435	2	138	7,946
Know Your Numbers	966	1,407	1,058	-	-	1,700	688	3417	9,236

**Table 9.1 Mother and Child Health (MCH) in 2017 compared to 2016**

ACTIVITY	2016	2017	CHANGE IN NUMBERS	% CHANGE
Antenatal Clinic	71,585	73,590	2,005	2.8
Family Planning	10,038	10,689	651	6.5
Infant Welfare Clinic	51,050	52,090	1,040	2
Preschool Clinic	5,323	7,653	2,330	43.8
<b>Total</b>	<b>137,996</b>	<b>144,022</b>	<b>6,026</b>	<b>4.4</b>

There was a 4.4% increase in MCH activities. All aspects of MCH services witnessed an increase.

**Table 9.2 Deliveries in 2017 compared to 2016**

DELIVERIES	2016	2017	CHANGE IN NUMBERS	% CHANGE
Total delivery	9,944	10,221	277	2.8
Live birth	9,732	9,972	240	2.5
Pre-term	272	435	163	59.9
Neonatal Death (NEOD)	78	109	31	39.7
Birth Before Arrival (BBA)	56	43	(13)	-23.2
Still Birth (SB)	133	178	45	33.8

Abortion (AB)	723	484	(239)	-33.1
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There was an increase in deliveries in 2017. There was a desired decrease in the number of births before arrival and abortions. However, preterm, neonatal deaths and still births increased.

**Table 9.3 Abortions by category**

SN	INSTITUTIONS	TOTAL ABORTIONS	SPONTANEOUS	INDUCED	CRIMINAL
1	BBH	90	53	30	7
2	MBH	79	48	24	7
3	BHM	35	33	0	2
4	DBH	4	3	1	0
5	MBHD	27	27	0	0
6	BANYO	7	7	0	0
7	EBHY	63	62	1	0
8	OTHER INSTITUTIONS	179	158	7	14
	<b>TOTAL</b>	<b>484</b>	<b>391</b>	<b>63</b>	<b>30</b>
	<b>%</b>	<b>100%</b>	<b>81%</b>	<b>13%</b>	<b>6%</b>

Most (81%) of the reported abortions were spontaneous while 13% were induced abortions and 5% were criminal. Some clients are likely to provoke abortion before arrival at the facility and will not disclose detail information and so some criminal abortions will likely present as spontaneous.

**Table 10 Immunization in 2017 compared with 2016**

SN	VACCINE	2016	2017	CHANGE IN NUMBERS	% CHANGE
1	MENINGITIS	547	13288	12741	2329.3
2	BCG	9418	9806	388	4.1
3	DPT/PENTA	23892	26753	2861	12
4	POLIO	33195	35821	2626	7.9
5	TETANUS	21168	21341	173	0.8
6	MEASLES	7038	7316	278	3.9
7	PNEUMOCOCCAL VACCINE	23557	26504	2947	12.5
8	ROTARIX	15142	16828	1686	11.1
9	IPV	6258	6920	662	10.6
10	VIT A	19834	15642	-4192	-21.1
11	YELLOW FEVER	6786	7400	614	9
12	HPV	489	1644	1155	236.2
	<b>TOTAL</b>	<b>167324</b>	<b>189263</b>	<b>21939</b>	<b>13.1</b>

Generally, there was an increase in the uptake of immunization activities.

**Table 11 Surgeries**

SN	SURGERY	2016	2017	CHANGE IN NUMBERS	% CHANGE
1	MINOR	41,563	28,266	(13,297)	-32
2	MAJOR	10,195	10,881	686	6.7
	<b>Total</b>	<b>51,758</b>	<b>39,147</b>	<b>(12,611)</b>	<b>-24.4</b>

Major surgeries increased in 2017 while minor surgeries decreased

**Table 12 Distribution of Surgeries by Institution**

Institution	Surgery Type		Total
	Minor	Major	
BBH	5,151	2,540	7691
MBH	4,783	4,332	9115
BHM	3,970	2,295	6265
MBHD	4,000	1,504	5504
BHB	519	183	702
DBH	232	27	259
EBHY	1,253	-	1253
Other Institutions	8,358	-	8358
<b>TOTAL</b>	<b>28,266</b>	<b>10,881</b>	<b>39,147</b>

MBH continues to be the hospital with the greatest number of surgeries conducted influenced by the presence of the PAACS residency program.

**Table 13 Notifiable Diseases**

DISEASES	2016	2017	CHANGE IN NUMBERS	% CHANGE
Neonatal tetanus	6	3	-3	-50
Leprosy	13	8	-5	-38.5
Yellow fever	19	9	-10	-52.6
Cerebrospinal meningitis	35	7	-28	-80
Human rabies	1	0	-1	-100
Tuberculosis	1,424	1172	-252	-17.7
Cholera	0	0	0	-
Typhoid fever	2,644	1405	-1239	-46.9
Poliomyelitis	0	0	0	-
Measles	15	13	-2	-13.3

Generally, there was a decrease in all the diseases of epidemic potentials in 2017.



**Table 14 HIV Prevalence**

Type of Clients	2016		2017		% Change
	# Screened	% HIV+	# Screened	%HIV+	
Blood donors	8598	1.3	9593	1.2	-0.2
Patients	70928	8.7	90586	5.7	-3.0
PMTCT	199633	2.9	151284	2.3	-0.6

Compared to 2016, there was a decrease in 2017 in the reported HIV prevalence rate of all categories of clients including blood donors, PMTCT and hospital patients.

**Table 15 Deaths**

Wards	2016	2017	CHANGE IN NUMBERS	% Change
Pediatric	248	325	77	31
Surgical	203	313	110	54.2
Maternal	6	9	3	50
Medical	1073	1136	63	5.9
Truama	16	11	-5	-31.3
<b>TOTAL</b>	1546	1794	248	16

Other than deaths by trauma that decreased in 2017, the other categories of deaths increased.

**Table 15 Ten Leading Diseases in 2016 and 2017**

SN	2016		2017	
	DISEASE	CASES	DISEASE	CASES
1	Hypertension	37974	Malaria	59894
2	Malaria	30779	Hypertension	44287
3	Gastritis/PUD	17380	Conjunctivities	20478
4	Diabetes Mellitus	17118	Diabetes Mellitus	19923
5	Conjunctivities	16666	Gastritis/PUD	17818
6	URTI/LRTI	14480	URTI/LRTI	13910
7	Muscoskeletal pain (MSKP)	13715	Muscoskeletal pain (MSKP)	13712
8	HIV and AIDS	9667	Cystitis/UTI	12946
9	Cystitis/UTI	9665	HIV and AIDS	10346
10	Glaucoma	8835	GE/Diarrhea	9734

Malaria and hypertension continue to top the list of leading diseases. Generally, there was an increase the magnitude of the leading diseases in 2017. GE/Diarrhea displaced glaucoma from the list of ten leading diseases in 2017.

**Table 17 Ten leading causes of death**

SN	2016		2017	
	DISEASE	CASES	DISEASE	CASES
1	AIDS	135	Septicaemia	139
2	Pneumonia	119	Congestive Heart Failure (CHF)	126
3	Cancers/ Tumors	114	AIDS	105
4	Malaria	92	Meningitis	92
5	Septicaemia	90	Malaria	91
6	Congestive Heart Failure (CHF)	86	Pneumonia	86
7	Tuberculosis	74	Anaemias	60
8	Anaemias	70	Renal failure	54
9	Hypertension	68	Diabetes Mellitus	45
10	Meningitis	66	Tuberculosis	44

In 2017, septicaemia and congestive heart failure displaced AIDS and pneumonia respectively from their top position in the list of leading killer diseases. Renal failure and diabetes mellitus were new on the list of leading causes of death, displacing cancer and hypertension.

**Table 18 HIV Care and Treatment Program Work load**

SN	SITE	ART INITIATION		% CHANGE	CURRENT ON ART		% CHANGE
		2016	2017		2016	2017	
1	BBH	555	593	6.8	2653	2883	8.7
2	MBH	292	327	12	1415	1542	9
3	BHM	639	586	-8.3	3135	3370	7.5
4	NKWEN	587	547	-6.8	3315	3912	18
5	MBOPPI	1002	767	-23.5	3689	4325	17.2
6	EBHY	399	415	4	1567	1888	20.5
7	BAFOUSSAM	NA	36	NA	NA	59	NA
	<b>TOTAL</b>	<b>3,474</b>	<b>3,271</b>	<b>-5.8</b>	<b>15,774</b>	<b>17,979</b>	<b>14</b>

In 2017, a total of 3271 HIV positive individuals were newly initiated on ART in the seven CBCHS Care and Treatment Centers, representing a decrease of 5.8% compared to the initiations of 2016. At the end of 2017, there were a total of 17,979 clients on ART. Compared to 2016, the number of clients on ART increased by 14%.

**Table 19 Evolution of CBCHB PMTCT Activities**

Indicator	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	TOTAL
Number of sites	5	9	58	89	115	180	250	374	391	427	403	453	742	772	709	1052	662	480	480
Total # of women counseled	1,469	4,049	12,624	22,043	30,822	47,571	62,154	79,388	94,505	100,055	103,388	101,960	132,070	125,363	110,352	195,782	216,698	191,511	3,072,097
Total # of women tested	1,391	3,849	11,536	20,537	27,641	42,125	58,031	76,132	91,270	97,643	100,555	101,960	131,640	125,406	108,601	180,498	206,700	183,314	2,954,344
Total # of women who return for results	1,343	3,841	11,422	20,229	27,063	40,344	57,312	75,015	89,531	97,137	99,970	99,651	129,956	124,389	108,560	178,943	206,700	183,303	2,926,115
Total # of women Positive	146	384	1,100	1,613	2,530	3,594	4,962	5,838	6,118	5,755	5,578	5,563	6,871	5,900	3,711	7,543	13,828	8,585	170,653
Total # of women treated	55	143	456	531	1,004	2,577	3,903	5,356	4,969	5,349	8,530	8,172	6,656	4,837	3,317	6,625	12,036	8,325	157,357
Total # of infants treated	55	145	434	548	913	1,411	2,203	2,551	3,124	3,554	3,912	3,728	5,297	4,898	4,007	6,967	4517	NA	NA
% return for results	96.5	99.8	99	98.5	97.9	95.8	98.8	98.5	99	99.5	99.4	97.7	98.7	99.2	100.0	99.1	100.0	100.0	99.0
% HIV positive	10.5	10	9.5	7.9	9.2	8.5	8.6	7.7	6.3	5.9	5.5	5.5	5.2	4.7	3.4	4.2	6.7	4.7	5.8
% of women treated	37.7	37.2	41.5	32.9	39.7	71.7	78.7	77.4	88	92.9	73.9	70.2	96.9	82	89.4	87.8	87.0	97.0	92.2
% of infants treated	37.7	37.8	39.5	34	36.1	39.3	44.4	43.7	54	61.8	70.1	67	77.1	83	94	92.4	32.7	NA	NA
% MTCT	-	-	-	-	17.8	-	-	-	-	-	13.3	14.6	11.6	6.7	6.5	6.5	4.5	3.6	NA

The major funder of PMTCT services – CDC/PEPFAR further pivoted, dropping some low volume PMTCT sites. This year, we observed a decrease in the positivity rate amongst pregnant women as well as a decline in MTCT rates.

**Table 20 CBCHS Tuberculosis activities**

Indicators	2016	2017	CHANGE IN NUMBERS	% CHANGE
Total # of TB patients	1,272	1,248	(24)	-1.9
Number screened for AFB	8,008	7,803	(205)	-2.6
Number of pulmonary TB	942	951	9	1
Number of Smear Positive	816	767	(49)	-6
Number of Smear Negative	134	184	50	37.3
Number of Extra Pulmonary TB	322	296	(26)	-8.1
Number tested For HIV	1,270	1,247	(23)	-1.8
Acceptance rate	99.8	99.9	0	0.1
Number tested HIV+	561	508	(53)	-9.4
% of Co-infection	44.2	40.7	(4)	-7.9

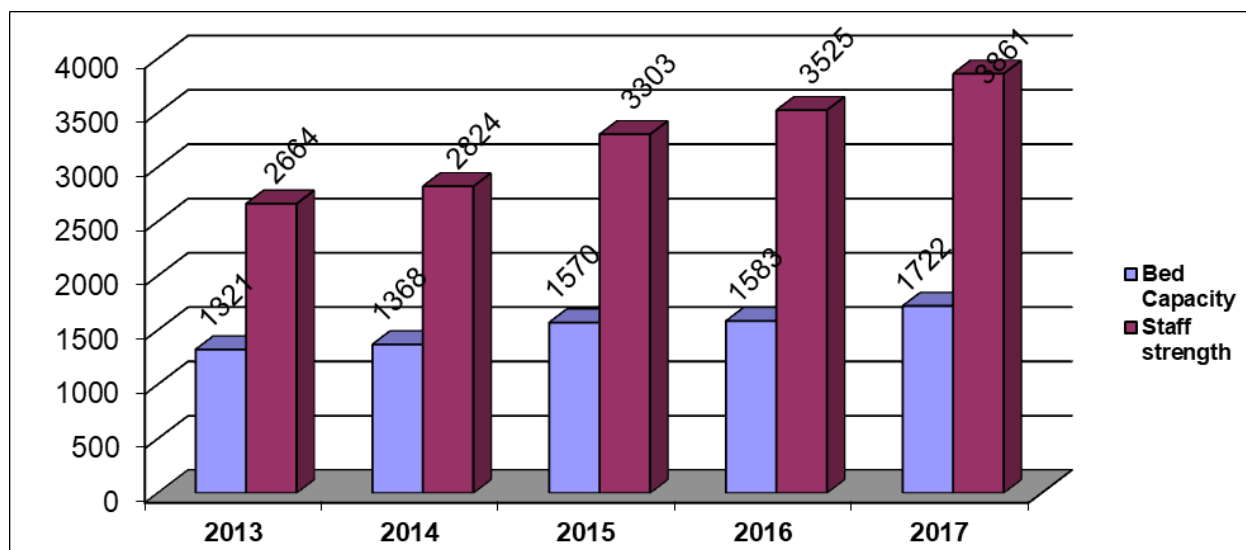
There was a decrease in the number of patients screened for TB in 2017. The TB/HIV co-infection rate decreased by 7.9%

**Table 21 Evolution of Activities of Extended Forum of Care**

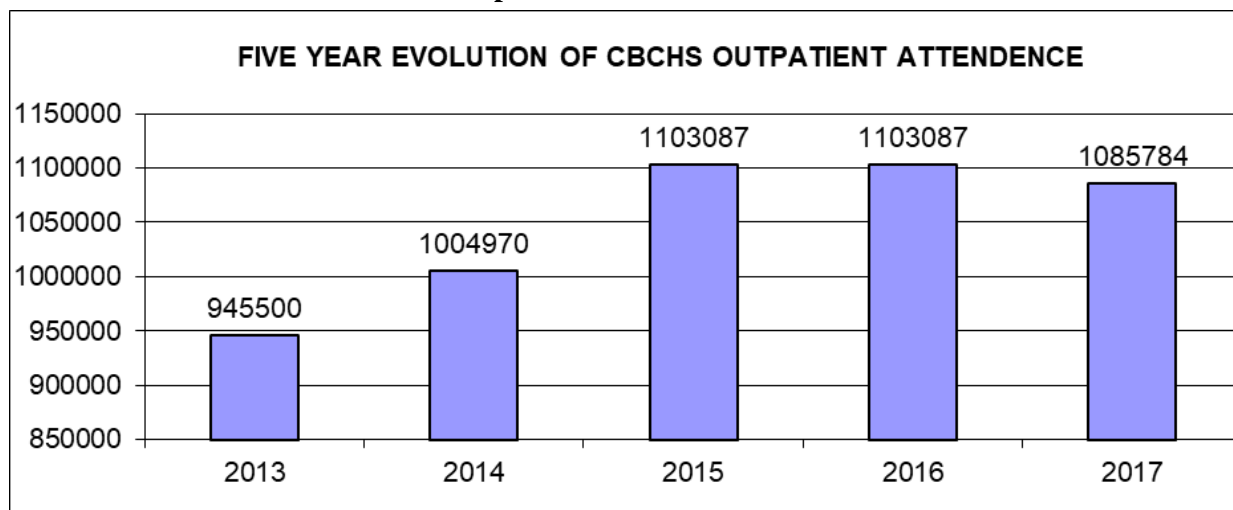
Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	TOTAL	%
Index Persons	227	1,610	2,174	2,587	2,058	2,409	2,439	3030	2193	5306	16016	40,049	
Contact Persons	278	1,701	2,384	2,812	2,476	3,041	2,710	3283	2372	6352	21319	48,728	121.7
Contact Persons Notified	167	1,309	1,742	2,184	1,416	1,627	1,336	1981	1105	4724	19077	36,668	75.3
Contact Persons Tested	110	1,004	1,477	1,681	808	1139	863	1339	781	4065	16191	29,458	80.3
Contact Persons With HIV <sup>+</sup>	55	557	688	969	446	588	470	592	399	1578	3413	9,755	33.1
CPs Linked to Care & Treatment	0	37	90	633	302	587	473	591	399	1423	3105	7,640	78.3

## ANNEX – FIVE YEARS EVOLUTION OF CBCHS KEY ACTIVITIES

### Annex 1- Five Year Evolution of Number of Beds and Staff

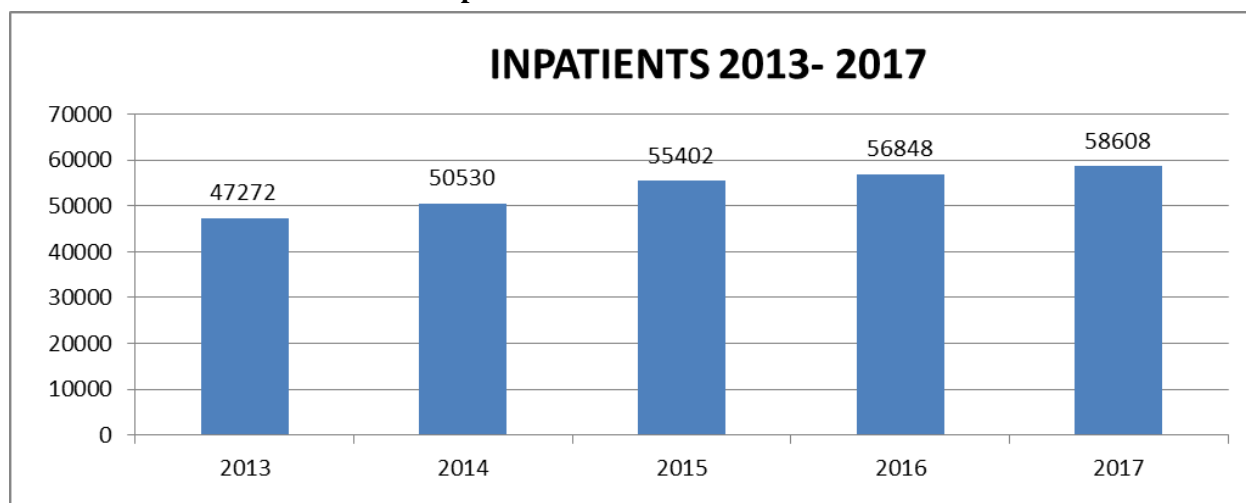


### Annex 2 – Five Years Evolution of Outpatient Attendance

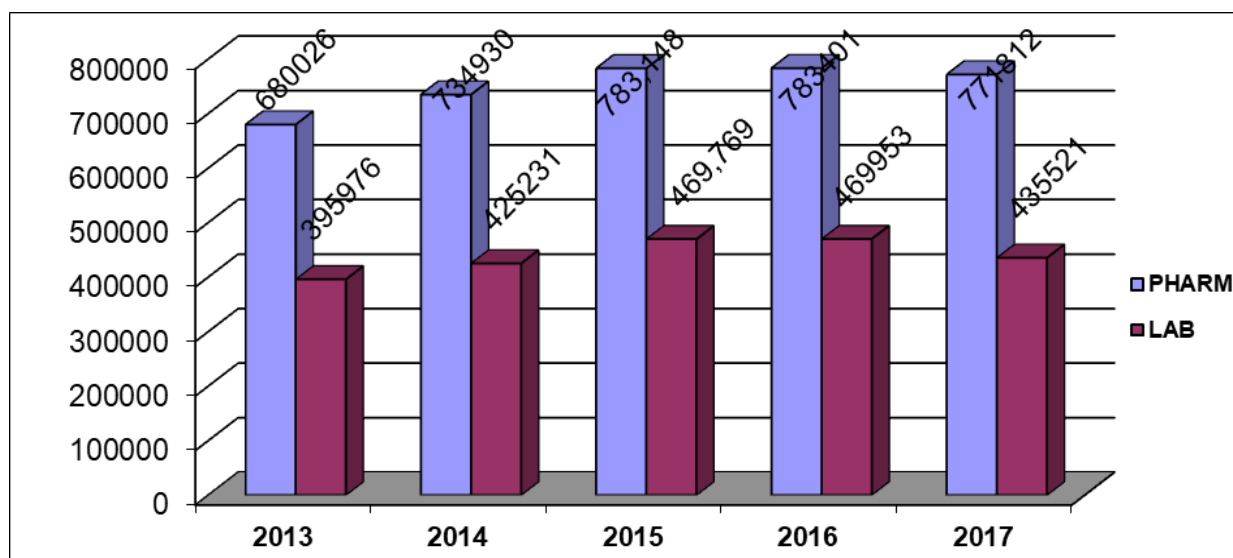




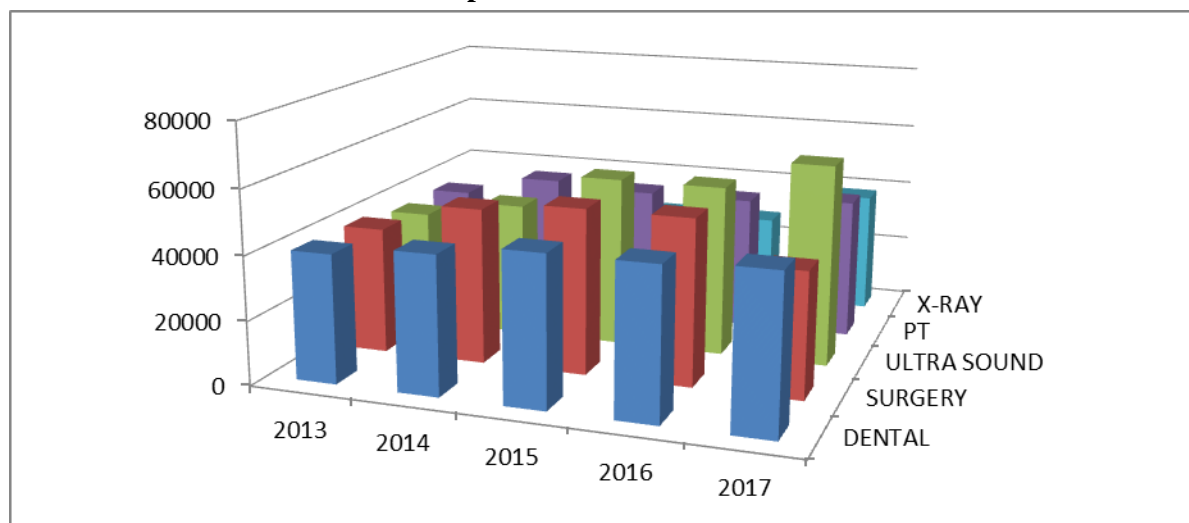
### Annex 3- Five Years Evolution of Inpatients Attendance



### Annex 4- Five Years Evolution of Pharmacy and Laboratory work load



## Annex 5- Five Years Evolution of Department work load



### Conclusion

The outpatient service uptake declined while the inpatient service uptake continues to increase. Our staff worked hard providing quality care to all with love. We enjoyed the support of Health Board members as well as many national and international partners. We are thankful to all the staff of the CBC Health Services for their commitment to our Mission Statement as seen in the successes recorded. To God be the Glory.

## Appendix 1 – Bed Capacity and Staff Strength

SN	NAME	BED CAPACITY					PERSONNEL																				NURSES														
		MEDICAL	MATERNITY	PEDIATRIC	SURGICAL	TOTAL	DOCTORS		NURSES		AUXILIARIES		PARAMEDICALS		ADMINISTRATORS		ADMINISTRATIVE STAFF		CHAPLAINS		OTHER SUPPORT STAFF		CASUAL STAFF		TOTAL		GRAND TOTAL	NP/BSN/RSN	BREVETE/APNA		NURSE ASSISTANT/ NURSING	NURSE MIDWIFE/ MIDWIFE		WARD AUXILIARY		TOTAL		GRAND TOTAL			
							M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			M	F		M	F	M	F	M	F		M	F	M/F
		742	437	255	288	1722	100	53	339	769	125	245	293	354	14	6	66	71	34	59	655	610	140	109	1766	2276	4042	82	185	89	143	131	359	21	91	98	202	421	980	1401	
1	BANSO BAPTIST HOSPITAL	169	64	45	59	337	14	6	59	148	24	51	45	52	2	1	4	12	6	4	128	93	0	0	282	367	649	9	29	20	30	29	71	1	18	24	37	83	185	268	
2	BANGOLAN BAPTIST HEALTH CENTER	26	19	0	0	45	0	0	2	9	1	10	0	0	0	0	1	0	1	0	5	7	2	5	12	31	43	0	1	2	0	7	7	1	1	1	5	11	14	25	
3	JIKIJEM BAPTIST HEALTH CENTER	16	16	6	0	38	1	0	1	7	0	2	3	3	0	0	1	0	1	1	5	6	0	0	12	19	31	0	0	2	2	0	3	0	2	0	2	2	9	11	
4	KOUHOUAT BAPTIST HEALTH CENTER	19	17	8	0	44	0	0	4	3	2	3	5	2	0	0	1	1	1	0	4	3	1	1	18	13	31	0	0	1	2	2	1	1	0	2	3	6	6	12	
5	LASSIN BAPTIST HEALTH CENTER	8	7	6	0	21	0	0	3	2	2	3	2	1	0	0	1	0	0	0	4	0	0	1	12	7	19	0	0	1	2	1	3	2	0	1	2	5	7	12	
6	NDU BAPTIST HEALTH CENTER	21	14	7	0	42	1	0	3	11	1	9	4	5	0	0	0	2	0	1	10	8	0	0	19	36	55	0	1	0	4	1	6	0	3	1	2	2	16	18	
7	NGEPTANG BAPTIST HEALTH CENTER	12	8	0	0	20	0	0	5	5	2	0	2	2	0	0	1	1	0	1	2	4	3	3	15	16	31	0	0	1	2	0	2	0	0	0	3	1	7	8	
8	NGOUNSO BAPITIST HEALTH CENTER	25	17	8	0	50	1	1	10	10	3	2	7	4	0	0	1	1	1	0	17	14	13	5	53	37	90	0	1	1	1	4	8	2	7	2	2	9	19	28	
9	ROMKONG BAPTIST HEALTH CENTER	14	9	0	0	23	0	0	1	1	3	3	2	3	0	0	1	1	0	4	4	1	1	0	12	13	25	0	0	1	2	1	1	0	0	1	4	3	7	10	
10	NWAT BAPTIST HEALTH CENTER	19	7	0	0	26	0	0	1	2	3	1	2	2	0	0	1	0	0	0	3	2	3	0	13	7	20	0	0	1	0	2	1	0	1	3	1	6	3	9	
11	KOUSSAM BAPTIST HEALTH CENTER	5	4	3	0	12	0	0	1	1	5	0	2	2	0	0	1	0	0	0	2	0	2	2	13	5	18	0	0	1	0	2	1	0	0	3	0	6	1	7	
12	NDONGA BAPTIST HOSPITAL-MBEM	20	16	0	0	36	1	0	4	2	2	0	0	0	0	0	2	1	1	0	4	2	3	0	17	5	22	0	0	2	1	2	2	0	0	2	0	6	3	9	
13	MBINGO BAPTIST HOSPITAL	154	23	26	91	294	33	6	65	160	31	56	62	54	3	0	6	8	6	5	159	160	25	8	390	457	847	30	40	11	32	23	73	1	15	31	56	96	216	312	
14	AKEH BAPTIST HEALTH CENTER	4	5	4	0	13	0	0	1	1	4	4	1	1	0	0	1	1	0	0	2	3	0	0	9	10	19	0	0	1	0	0	1	0	0	3	4	4	5	9	
15	BAFOUSSAM BAPTIST HEALTH CENTER	4	0	0	0	4	0	1	2	10	1	4	11	11	0	0	1	1	1	0	14	20	1	10	31	57	88	2	2	2	1	1	6	0	4	1	5	6	18	24	
16	BELO BAPTIST HEALTH CENTER	12	29	14	0	55	0	0	0	55	0	5	0	2	1	0	6	1	0	0	6	1	0	0	13	64	77	0	0	1	3	0	3	0	3	0	5	1	14	15	
17	FINKWI BAPTIST HEALTH CENTER	10	6	4	0	20	0	0	1	3	1	4	2	2	0	1	1	0	4	4	4	4	1	1	14	19	33	0	0	2	0	0	2	0	1	1	5	3	8	11	
18	KWIGHE BAPTIST HEALTH CENTER	8	6	5	0	19	0	0	2	4	3	2	2	2	0	1	2	4	0	0	2	4	0	0	11	17	28	0	0	0	1	1	3	0	1	0	1	1	6	7	
19	ASHONG BAPTIST HEALTH CENTER	11	7	7	0	25	0	0	1	3	3	4	0	3	0	0	1	0	1	1	4	4	2	4	12	19	31	1	0	1	2	1	2	1	1	2	2	6	7	13	
20	NKWEN BAPTIST HEALTH CENTER	1	2	2	27	32	2	2	2	27	2	4	8	49	1	0	12	14	1	28	34	35	3	0	65	159	224	3	9	1	11	1	8	0	3	2	4	7	35	42	
21	SABGA BAPTIST HEALTH CENTER	10	4	5	0	19	0	0	1	2	1	4	0	2	1	1	1	0	1	1	7	1	1	1	13	12	25	0	0	1	1	1	1	1	1	0	4	3	7	10	
22	BAYANGAM BAPTIST HEALTH CENTER	7	7	0	0	14	0	0	1	3	1	2	0	1	0	0	1	1	0	0	3	3	2	1	8	11	19	0	0	1	1	0	3	0	0	0	1	1	5	6	
23	MAMFE BAPTIST HEALTH CENTER	4	2	5	0	11	2	0	4	6	0	2	5	2	0	0	1	1	0	1	0	1	0	0	12	13	25	1	2	1	2	0	4	0	1	0	0	2	9	11	
24	NDEMBAYA BAPTIST HEALTH CENTER	8	5	0	0	13	2	0	4	1	0	1	1	1	0	0	1	0	0	0	3	1	1	0	12	4	16	0	0	0	0	4	1	0	0	0	0	4	1	5	
25	BANYO BAPTIST HOSPITAL	17	8	7	8	40	2	0	7	8	2	7	8	4	1	0	0	1	1	0	16	4	3	1	40	25	65	1	1	0	0	6	7	2	2	0	5	9	15	24	
26	ALLAT BAPTIST HEALTH CENTER	8	4	4	0	16	0	0	1	1	3	1	2	0	0	0	0	0	0	0	5	1	1	1	12	4	16	0	0	1	1	2	1	0	0	1	1	4	3	7	
27	SARKI BAKA BAPTIST HEALTH CENTER	7	5	7	0	19	0	0	2	1	2	1	2	1	0	0	0	0	0	0	7	1	1	0	14	4	18	0	0	1	0	1	1	0	0	1	1	3	2	5	
28	NYAMBOYA BAPTIST HEALTH CENTER	17	6	6	0	29	0	0	2	2	1	2	1	2	0	0	0	0	0	0	9	1	6	3	19	10	29	0	0	1	1	2	1	0	0	1	2	4	4	8	
29	BAPTIST HOSPITAL MUTENGENE	32	35	33	76	176	14	8	73	76	9	25	35	38	2	1	7	3	4	2	57	33	25	7	226	193	419	5	35	12	13	4	38	1	8	9	25	31	119	150	
30	EKOUNOU BAPTIST HEALTH CENTER	0	0	0	0	0	0	2	0	8	2	2	2	9	0	0	1	1	1	0	16	13	5	3	27	38	65	3	3	1	0	0	4	0	2	2	2	6	11	17	
31	ETOUG-EBE BAPTIST HEALTH CENTER	0	0	0	0	0	7	6	7	40	6	15	19	29	1	0	2	4	0	1	33	59	10	10	85	164	249	5	16	2	3	0	13	1	5	0	3	8	40	48	
32	KUMBA BAPTIST HEALTH CENTER	25	18	8	0	51	2	1	6	22	1	4	11	19	0	0	1	4	1	0	25	40	6	21	53	111	164	2	4	0	5	3	12	1	5	1	4	7	30	37	
33	VOUDOU BAPTIST HEALTH CENTER	5	5	0	0	10	0	0	2	5	0	0	4	1	0	0	2	1	0	0	2	4	1	1	11	12	23	0	0	2	1	1	3	0	1	0	0	3	5	8	
34	EKONDOTITI BAPTIST HEALTH CENTER	9	7	2	2	20	3	2	3	3	0	1	0	1	0	0	1	0	0	0	1	3	6	2	14	12	26	0	0	1	0	3	1	0	1	0	0	4	2	6	
35	BAFIA BAPTIST HEALTH CENTER	7	7	0	0	14	0	3	1	3	1	3	1	1	0	0	1	1	0	3	4	3	2	2	10	19	29	0	0	1	3	3	3	1	0	0	3	5	9	14	
36	MBOPPI BAPTIST HOSPITAL DOUALA	28	48	33	25	134	15	15	57	124	3	8	42	43	2	1	2	6	2	2	54	71	10	16	187	286	473	20	41	12	16	23	62	5	5	3	8	63	132	195	
37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		742	437	255	288	1722	100	53	339	769	125	245	293	354	14	6	66	71	34	59	655	610	140	109	1766	2276	4042	82	185	89	143	131</									

## Appendix 2- Outpatient attendance

SN	NAME	OUTPATIENTS ATTENDANCE																
		OLD	NEW	% NEW	<1		1-5		6-15		16-45		>45		TOTAL		GRAND TOTAL	
					M	F	M	F	M	F	M	F	M	F	M	F		
		654260	431442	39.7	23500	23296	41556	40261	56222	62955	176591	352432	135733	173238	433602	652182	1085784	
1	BANSO BAPTIST HOSPITAL	56389	32641	36.7	935	661	1244	1240	3410	3428	15990	29882	15642	16500	37221	51711	88932	
2	BANGOLAN BAPTIST HEALTH CENTER	1360	7322	84.3	111	91	187	150	286	257	831	3726	964	2057	2379	6281	8660	
3	JIKIJEM BAPTIST HEALTH CENTER	5114	4087	44.4	134	130	279	292	235	261	954	4061	1016	1839	2618	6583	9201	
4	KOUHOUAT BAPTIST HEALTH CENTER	4076	3236	44.3	99	98	262	255	327	363	1113	1997	1463	1333	3264	4046	7310	
5	LASSIN BAPTIST HEALTH CENTER	1467	1857	55.9	101	63	209	196	173	218	315	1052	360	635	1158	2164	3322	
6	NDU BAPTIST HEALTH CENTER	10152	8082	44.3	227	191	482	393	490	572	2153	5195	3352	5244	6704	11595	18299	
7	NGEPTANG BAPTIST HEALTH CENTER	1749	984	36	26	50	53	130	69	140	178	1192	268	577	594	2089	2683	
8	NGOUNSO BAPITIST HEALTH CENTER	4757	5805	55	239	175	522	447	416	449	1460	4375	1298	1167	3935	6613	10548	
9	ROMKONG BAPTIST HEALTH CENTER	2657	1272	32.4	87	60	99	68	83	89	518	1277	522	1121	1309	2615	3924	
10	NWAT BAPTIST HEALTH CENTER	2290	1855	44.8	68	76	225	236	173	206	495	1631	458	577	1419	2726	4145	
11	KOUSSAM BAPTIST HEALTH CENTER	893	621	41	64	91	108	115	136	109	202	230	214	246	724	791	1515	
12	NDONGA BAPTIST HOSPITAL-MBEM	3395	2354	40.9	330	352	225	249	303	283	567	1550	689	1081	2114	3515	5629	
13	MBINGO BAPTIST HOSPITAL	50686	37603	42.6	2487	2489	2967	2568	3721	3815	13888	16348	19124	19882	42187	45102	87289	
14	AKEH BAPTISH HEALTH CENTER	1310	1298	49.8	61	74	118	129	95	117	424	812	294	484	992	1616	2608	
15	BAFOUSSAM BAPTIST HEALTH CENTER	17608	17631	50	418	292	1357	1060	1469	1712	5226	9781	5400	8524	13870	21369	35239	
16	BELO BAPTIST HEALTH CENTER	4908	3753	43.3	184	162	233	181	242	204	1860	3003	1418	2101	3937	5651	9588	
17	FINKWI BAPTIST HEALTH CENTER	4966	4584	48	191	160	325	261	409	310	1231	3085	1304	2174	3460	5990	9450	
18	KWIGHE BAPTIST HEALTH CENTER	2039	1726	45.8	55	52	99	102	110	98	451	1873	260	694	975	2819	3794	
19	ASHONG BAPTIST HEALTH CENTER	1919	2122	52.5	73	38	212	165	264	277	656	1088	572	1096	1777	2664	4441	
20	NKWEN BAPTIST HEALTH CENTER	88950	46972	34.6	4568	5184	9173	9890	18153	19376	17232	21845	14213	16288	63339	72583	135922	
21	SABGA BAPTIST HEALTH CENTER	4684	1658	26.1	83	56	148	144	134	169	930	2488	667	1523	1962	4380	6342	
22	BAYANGAM BAPTIST HEALTH CENTER	1555	821	34.6	48	28	136	67	108	120	371	621	352	525	1015	1361	2376	
23	MAMFE BAPTIST HEALTH CENTER	1642	2713	62.3	66	65	145	115	188	209	637	732	1067	1131	2103	2252	4355	
24	NDEMBAYA BAPTIST HEALTH CENTER	938	1054	52.9	42	36	112	87	73	68	587	642	198	210	1012	1043	2055	
25	BANYO BAPTIST HOSPISTAL	4171	5004	54.5	233	152	423	341	372	381	1883	3270	1455	670	4366	4814	9180	
26	ALLAT BAPTIST HEALTH CENTER	697	1054	60.2	57	41	89	74	92	86	303	706	170	145	711	1052	1763	
27	SARKI BAKA BAPTIST HEALTH CENTER	1524	1411	48.1	65	44	190	149	85	133	479	1163	395	224	1214	1713	2927	
28	NYAMBOYA BAPTIST HEALTH CENTER	1485	1872	55.8	98	81	205	193	186	162	495	1410	227	288	1211	2134	3345	
29	BAPTIST HOSPITAL MUTENGENE	67671	46430	40.7	1395	1322	3355	3005	3767	4345	22695	39376	14833	20583	46045	68631	114676	
30	EKOUNOU BAPTIST HEALTH CENTER	19008	17306	47.7	981	787	2585	2093	2020	2142	7288	10696	3576	4208	16450	19926	36376	
31	ETOUG-EBE BAPTIST HEALTH CENTER	94365	53887	36.3	3906	3076	5503	6043	7718	9491	23647	60668	12115	16050	52889	95328	148217	
32	KUMBA BAPTIST HEALTH CENTER	27364	30567	52.8	2229	2598	3539	3323	3749	4007	10821	15679	4915	5957	25253	31564	56817	
33	VOUDOU BAPTIST HEALTH CENTER	3228	3577	52.6	305	220	608	524	249	320	1040	2964	311	234	2513	4262	6775	
34	EKONDOTITI BAPTIST HEALTH CENTER	1503	2371	61.2	296	491	240	225	151	178	681	1165	439	570	1807	2629	4436	
35	BAFIA BAPTIST HEALTH CENTER	2293	1677	42.2	69	71	210	186	222	229	817	1081	525	553	1843	2120	3963	
36	MBOPPI BAPTIST HOSPITAL DOUALA	155447	74235	32.3	3169	3739	5689	5565	6544	8631	38173	95768	25657	36747	79232	150450	229682	
		654260	431442	39.7	23500	23296	41556	40261	56222	62955	176591	352432	135733	173238	433602	652182	1085784	

## Appendix 3 - Maternity and Pediatric Admissions

SN	NAME	MATERNITY WARD													PEDIATRIC WARD												
		ADMISSIONS	HOSP DAYS	AV. STAY	<1		1-5		6-15		16-45		>45		ADMISSIONS	HOSP DAYS	AV. STAY	<1		1-5		6-15		16-45		>45	
					M	F	M	F	M	F	M	F	M	F				M	F	M	F	M	F	M	F	M	F
		11525	46081	4	91	147	5	0	0	142	29	11205	0	65	10598	41189	4	1453	1264	2582	2145	1702	1493	5	3	0	0
1	BANSO BAPTIST HOSPITAL	1340	5466	4	1	3	0	0	0	123	0	1168	0	39	1162	7401	6	129	105	268	198	269	193	0	0	0	0
2	BANGOLAN BAPTIST HEALTH CENTER	376	889	2	0	0	0	0	0	0	0	376	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	JKIJEM BAPTIST HEALTH CENTER	334	834	2	0	0	0	0	0	0	0	334	0	0	173	587	3	22	24	33	39	30	25	0	0	0	0
4	KOUHOUAT BAPTIST HEALTH CENTER	127	381	3	0	0	0	0	0	0	0	127	0	0	494	1276	3	27	27	129	150	79	82	0	0	0	0
5	LASSIN BAPTIST HEALTH CENTER	93	170	2	0	1	0	0	0	3	0	89	0	0	5	13	3	0	1	3	0	1	0	0	0	0	0
6	NDU BAPTIST HEALTH CENTER	268	565	2	0	0	0	0	0	0	0	268	0	0	509	1341	3	43	26	129	102	121	102	0	0	0	0
7	NGEPTANG BAPTIST HEALTH CENTER	103	305	3	8	11	4	0	0	0	0	102	0	1	12	39	3	5	7	0	0	0	0	0	0	0	0
8	NGOUNSO BAPTIST HEALTH CENTER	405	982	2	36	85	0	0	0	8	0	432	0	1	970	2504	3	68	54	348	245	129	126	0	0	0	0
9	ROMKONG BAPTIST HEALTH CENTER	103	275	3	0	0	0	0	0	1	0	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	NWAT BAPTIST HEALTH CENTER	129	615	5	0	0	0	0	0	0	0	129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	KOUSSAM BAPTIST HEALTH CENTER	34	62	2	0	0	0	0	0	3	3	28	0	0	163	368	2	20	19	30	34	36	22	2	0	0	0
12	NDONGA BAPTIST HOSPITAL-MBEM	140	406	3	4	0	0	0	0	0	2	0	132	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	MBINGO BAPTIST HOSPITAL	1017	4376	4	0	0	0	0	0	0	0	1017	0	0	1057	5222	5	241	135	229	164	191	129	0	0	0	0
14	AKEH BAPTIST HEALTH CENTER	95	272	3	11	8	0	0	0	0	0	94	0	1	79	212	3	4	5	18	19	13	20	0	0	0	0
15	BAFOUSSAM BAPTIST HEALTH CENTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	BELO BAPTIST HEALTH CENTER	337	1037	3	15	19	0	0	0	0	0	324	0	0	219	1043	5	21	14	48	51	44	51	0	0	0	0
17	FINKWI BAPTIST HEALTH CENTER	145	455	3	0	0	0	0	0	2	0	122	0	21	322	866	3	46	45	79	51	58	39	0	0	0	0
18	KWIGHE BAPTIST HEALTH CENTER	83	298	4	0	0	0	0	0	0	0	86	0	0	120	354	3	12	10	25	18	28	27	0	0	0	0
19	ASHONG BAPTIST HEALTH CENTER	34	111	3	0	0	0	0	0	0	0	34	0	0	102	311	3	3	1	28	31	20	21	3	3	0	0
20	NKWEN BAPTIST HEALTH CENTER	2	6	3	0	0	0	0	0	0	0	2	0	0	9	27	3	0	0	1	1	5	2	0	0	0	0
21	SABGA BAPTIST HEALTH CENTER	95	281	3	0	0	1	0	0	0	0	84	0	0	235	560	2	10	17	55	55	52	47	0	0	0	0
22	BAYANGAM BAPTIST HEALTH CENTER	31	86	3	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	MAMFE BAPTIST HEALTH CENTER	2	6	3	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	NDEMBAYA BAPTIST HEALTH CENTER	31	79	3	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	BANYO BAPTIST HOSPITAL	197	690	4	0	0	0	0	0	0	0	195	0	0	323	1227	4	27	29	89	67	53	58	0	0	0	0
26	ALLAT BAPTIST HEALTH CENTER	69	124	2	0	0	0	0	0	0	0	67	0	0	147	295	2	11	7	42	32	16	21	0	0	0	0
27	SARKI BAKA BAPTIST HEALTH CENTER	132	348	3	9	12	0	0	0	0	0	109	0	2	274	825	3	20	16	79	88	32	39	0	0	0	0
28	NYAMBOYA BAPTIST HEALTH CENTER	143	252	2	0	0	0	0	0	0	0	143	0	0	445	1049	2	39	34	154	122	52	45	0	0	0	0
29	BAPTIST HOSPITAL MUTENGNE	1342	6468	5	0	0	0	0	0	0	0	1342	0	0	939	2872	3	113	107	215	190	148	165	0	0	0	0
30	EKOUNOU BAPTIST HEALTH CENTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	ETOUG-EBE BAPTIST HEALTH CENTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	KUMBA BAPTIST HEALTH CENTER	428	955	2	0	0	0	0	0	0	0	428	0	0	480	1027	2	56	49	144	114	55	62	0	0	0	0
33	VOUDOU BAPTIST HEALTH CENTER	216	293	1	0	0	0	0	0	0	26	166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	EKONDOTITI BAPTIST HEALTH CENTER	67	229	3	1	2	0	0	0	0	0	64	0	0	63	118	2	2	3	21	15	12	16	0	0	0	0
35	BAFIA BAPTIST HEALTH CENTER	82	201	2	0	0	0	0	0	0	0	72	0	0	197	298	2	18	15	57	50	36	21	0	0	0	0
36	MBOPPI BAPTIST HOSPITAL DOUALA	3525	18564	5	6	6	0	0	0	0	0	3513	0	0	2099	11354	5	516	514	358	309	222	180	0	0	0	0
		11525	46081	4	91	147	5	0	0	142	29	11205	0	65	10598	41189	4	1453	1264	2582	2145	1702	1493	5	3	0	0

## Appendix 4 – Surgical and Medical Admissions

SN	NAME	SURGICAL WARD													MEDICAL WARD												
		ADMISSIONS	HOSP DAYS	AV. STAY	<1		1-5		6-15		16-45		>45		ADMISSIONS	HOSP DAYS	AV. STAY	<1		1-5		6-15		16-45		>45	
					M	F	M	F	M	F	M	F	M	F				M	F	M	F	M	F	M	F	M	F
		9504	53331	6	82	92	209	119	334	241	2220	2102	2338	1769	26981	115178	4	347	290	705	613	739	692	5631	7850	4694	5155
1	BANSO BAPTIST HOSPITAL	1611	12568	8	0	0	0	0	9	34	405	360	480	322	3721	28282	8	0	0	0	0	1	0	863	976	889	905
2	BANGOLAN BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	1051	2579	2	34	35	116	97	93	99	79	269	67	162
3	JIKIJEM BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	424	1306	3	0	0	0	0	0	0	112	171	52	89
4	KOUHOUAT BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	497	1628	3	0	0	0	0	0	0	101	211	94	91
5	LASSIN BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	459	1057	2	13	11	36	41	50	59	56	117	31	53
6	NDU BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	1149	2751	2	0	0	0	0	0	0	273	330	188	343
7	NGEPTANG BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	420	1321	3	8	18	33	42	46	52	43	112	18	32
8	NGOUNSO BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	901	2417	3	0	0	0	0	0	0	176	332	207	159
9	ROMKONG BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	329	950	3	20	13	19	27	16	15	69	93	20	37
10	NWAT BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	472	1198	3	20	32	90	86	29	33	24	107	16	31
11	KOUSSAM BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	170	430	3	0	0	0	0	0	3	35	59	39	35
12	NDONGA BAPTIST HOSPITAL-MBEM	0	0	-	0	0	0	0	0	0	0	0	0	0	626	1701	3	42	44	48	55	44	48	75	93	78	100
13	MBINGO BAPTIST HOSPITAL	3779	18644	5	28	16	114	44	169	90	846	832	1026	614	6655	34312	5	161	76	161	109	322	227	1458	1284	1579	1293
14	AKEH BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	176	476	3	0	0	0	0	6	11	41	67	24	27
15	BAFOUSSAM BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
16	BELO BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	425	2245	5	0	0	0	0	5	7	116	170	40	63
17	FINKWI BAPTIST HEALTH CENTER	65	134	2	0	0	0	0	0	0	0	0	0	0	615	1640	3	0	0	0	0	0	0	150	250	76	145
18	KWIGHE BAPTIST HEALTH CENTER	26	78	3	0	0	0	0	0	0	5	16	0	5	329	992	3	0	0	0	0	0	0	66	154	50	59
19	ASHONG BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	244	777	3	0	0	0	0	0	0	52	84	32	70
20	NKWEN BAPTIST HEALTH CENTER	0	0	-	17	51	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
21	SABGA BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	690	1712	2	0	0	0	0	0	0	153	289	78	170
22	BAYANGAM BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	103	290	3	3	4	6	4	9	8	19	31	16	15
23	MAMFE BAPTIST HEALTH CENTER	50	92	2	1	0	8	1	7	3	3	16	4	7	438	1197	3	12	6	58	24	35	22	39	148	22	40
24	NDEMBAYA BAPTIST HEALTH CENTER	21	43	2	1	1	5	4	1	1	2	4	0	2	240	599	2	9	10	34	30	14	9	25	85	13	11
25	BANYO BAPTIST HOSPITAL	171	1249	7	2	0	4	1	16	14	50	34	34	16	583	2332	4	0	0	0	0	0	0	190	226	117	50
26	ALLAT BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	115	295	3	0	0	0	0	0	0	22	62	16	15
27	SARKI BAKA BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	367	1102	3	0	0	0	0	0	0	74	179	47	58
28	NYAMBOYA BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	282	710	3	0	0	0	0	0	0	63	150	34	35
29	BAPTIST HOSPITAL MUTENGENE	2225	11279	5	33	24	66	56	101	68	570	425	467	415	2010	8000	4	0	0	0	0	0	0	501	618	361	408
30	EKOUNOU BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
31	ETOUG-EBE BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
32	KUMBA BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	619	1177	2	0	0	0	0	0	0	114	360	61	96
33	VOUDOU BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
34	EKONDOTITI BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	707	1370	2	22	25	76	76	42	57	103	236	24	30
35	BAFIA BAPTIST HEALTH CENTER	0	0	-	0	0	0	0	0	0	0	0	0	0	377	663	2	3	16	28	22	27	42	101	107	20	49
36	MBOPPI BAPTIST HOSPITAL DOUALA	1556	9244	6	0	0	12	13	31	31	339	415	327	388	1787	9669	5	0	0	0	0	0	0	438	480	385	484
		9504	53331	6	82	92	209	119	334	241	2220	2102	2338	1769	26981	115178	4	347	290	705	613	739	692	5631	7850	4694	5155



## Appendix 5- Departments

SN	NAME	EYE	X-RAY	PT	ULTRA SOUND	DENTAL	LABORATORY	PHARMACY	CHAPLAINS	DOCTORS	SCREENERS	SOCIAL WORKERS	NUTRITION	CERVICAL CANCER SCREEN	ENT	MENTAL HEALTH	PALLIATIVE CARE	KNOW YOUR NUMBERS
		113055	38378	44001	62822	48192	435521	771812	55102	298561	532584	27523	27309	11189	23567	3538	7946	9236
1	BANSO BAPTIST HOSPITAL	10792	16690	5608	9976	5328	34914	70481	12645	7964	24075	4388	5291	1487	2225	2424	1015	966
2	BANGOLAN BAPTIST HEALTH CENTER	66	0	0	0	0	5166	6023	1406	425	7097	0	484	0	0	0	0	42
3	JIKIJEM BAPTIST HEALTH CENTER	1787	0	0	16	575	6025	7220	765	1959	3157	0	292	0	0	18	0	5
4	KOUHOUAT BAPTIST HEALTH CENTER	22	0	0	0	0	4003	5476	869	186	4767	0	10	0	0	9	0	0
5	LASSIN BAPTIST HEALTH CENTER	33	0	7	2	0	2415	3228	0	139	2924	0	10	0	10	23	0	40
6	NDU BAPTIST HEALTH CENTER	1474	0	0	41	21	8115	14248	1918	4112	10710	0	528	0	0	17	40	48
7	NGEPTANG BAPTIST HEALTH CENTER	0	0	0	0	0	1495	2339	166	113	1806	0	0	0	0	0	0	0
8	NGOUNSO BAPTIST HEALTH CENTER	99	0	0	1034	0	8630	8507	1209	3314	9858	270	897	0	0	8	0	194
9	ROMKONG BAPTIST HEALTH CENTER	28	0	0	31	0	1866	2949	101	596	2878	0	0	0	0	53	0	60
10	NWAT BAPTIST HEALTH CENTER	0	0	0	0	0	2352	2696	25	103	3051	0	260	0	0	46	0	0
11	KOUSSAM BAPTIST HEALTH CENTER	2	0	0	0	0	1001	1531	7	80	1055	0	0	0	1	4	0	0
12	NDONGA BAPTIST HOSPITAL-MBEM	171	14	0	0	0	2499	3974	576	2589	1682	0	69	0	0	21	0	0
13	MBINGO BAPTIST HOSPITAL	11063	13563	9526	14364	2661	47023	59558	9472	34212	48753	4890	2744	2845	5708	169	5180	1407
14	AKEH BAPTISH HEALTH CENTER	0	0	0	0	0	1031	2558	6	0	2699	0	0	0	0	10	0	147
15	BAFOUSSAM BAPTIST HEALTH CENTER	9095	0	2606	1089	2068	14938	29024	674	5447	26037	0	696	455	0	0	0	1310
16	BELO BAPTIST HEALTH CENTER	0	0	0	0	0	5955	8804	9	322	8353	0	982	0	27	362	25	28
17	FINKWI BAPTIST HEALTH CENTER	266	0	0	0	0	4711	7628	0	375	6769	0	517	0	0	0	0	35
18	KWIGHE BAPTIST HEALTH CENTER	0	0	0	0	0	1660	2770	0	213	1627	225	0	0	0	73	0	0
19	ASHONG BAPTIST HEALTH CENTER	70	0	0	0	25	2012	4092	727	0	2922	0	46	0	0	37	0	4
20	NKWEN BAPTIST HEALTH CENTER	8490	0	5303	3885	9389	28695	56159	2975	37876	87148	1743	977	1653	0	175	67	1326
21	SABGA BAPTIST HEALTH CENTER	0	0	0	0	0	3562	6466	705	0	5628	0	0	0	0	7	0	15
22	BAYANGAM BAPTIST HEALTH CENTER	65	0	0	0	0	1049	1943	5	50	1508	0	0	0	0	0	0	0
23	MAMFE BAPTIST HEALTH CENTER	272	0	0	0	30	2771	5212	408	0	3956	0	12	0	2	2	0	0
24	NDEMBAYA BAPTIST HEALTH CENTER	0	0	0	0	0	1342	1747	0	0	1132	0	0	0	0	0	0	0
25	BANYO BAPTIST HOSPITAL	431	735	670	1432	353	6603	8192	620	2084	6446	48	537	0	0	0	0	0
26	ALLAT BAPTIST HEALTH CENTER	0	0	0	0	0	1036	1498	0	0	1363	0	0	0	0	0	0	0
27	SARKI BAKA BAPTIST HEALTH CENTER	0	0	0	0	0	1848	4975	0	0	2938	0	0	0	0	0	0	0
28	NYAMBOYA BAPTIST HEALTH CENTER	0	0	0	0	0	4330	3137	0	0	2643	0	0	0	0	0	0	108
29	BAPTIST HOSPITAL MUTENGENE	14056	4604	3959	7853	3817	32537	72506	8832	52020	28423	4211	2270	1108	1902	19	1176	1058
30	EKOUNOU BAPTIST HEALTH CENTER	5239	0	1245	0	3613	13319	24073	3449	4985	14281	1248	414	0	0	0	0	0
31	ETOUG-EBE BAPTIST HEALTH CENTER	20759	0	3768	5159	11905	51974	105922	779	26886	46123	2756	729	728	5737	0	2	688
32	KUMBA BAPTIST HEALTH CENTER	2659	261	1944	2945	1482	29341	37744	4193	11826	19523	2721	953	625	302	0	6	46
33	VOUDOU BAPTIST HEALTH CENTER	0	0	0	0	6	4454	5809	0	236	5433	0	451	26	0	0	0	0
34	EKONDOTITI BAPTIST HEALTH CENTER	46	0	0	12	0	2505	3093	288	118	3149	259	0	0	0	0	0	3
35	BAFIA BAPTIST HEALTH CENTER	122	0	0	5	0	2416	3794	0	273	3046	337	17	0	0	0	0	6
36	MBOPPI BAPTIST HOSPITAL DOUALA	25948	2511	9365	14978	6919	91928	186436	2273	100058	129624	4427	8123	2262	7653	61	435	1700
		113055	38378	44001	62822	48192	435521	771812	55102	298561	532584	27523	27309	11189	23567	3538	7946	9236

## Appendix 6 – MCH

SN	NAME	ANC			INFANT WELFARE			PRE-SCHOOL CLINIC			FAMILY PLANNING			TOTAL DELIVERIES	LIVE BIRTH	PRE-TERM	NEOD	BBA	SB	AB	TOTAL ABORTIONS	SPONTANEOUS	INDUCED	CRIMINAL
		NEW	OLD	TOTAL	NEW	OLD	TOTAL	NEW	OLD	TOTAL	NEW	OLD	TOTAL											
		15873	57717	73590	13494	38596	52090	2832	4821	7653	5335	5354	10689	10221	9972	435	109	43	178	484	534	421	78	30
1	BANSO BAPTIST HOSPITAL	801	3619	4420	547	1074	1621	348	885	1233	650	718	1368	1302	1226	62	13	1	50	102	110	58	45	7
2	BANGOLAN BAPTIST HEALTH CENTER	365	1181	1546	352	1644	1996	18	68	86	145	87	232	310	291	5	0	0	4	18	18	17	0	1
3	JIKIJEM BAPTIST HEALTH CENTER	439	1744	2183	273	2115	2388	16	293	309	148	186	334	334	328	5	1	0	2	9	9	8	0	1
4	KOUHOUAT BAPTIST HEALTH CENTER	243	913	1156	118	675	793	49	54	103	65	70	135	105	104	1	1	0	1	10	10	10	0	0
5	LASSIN BAPTIST HEALTH CENTER	126	448	574	101	835	936	167	69	236	14	37	51	82	82	2	0	3	0	5	5	5	0	0
6	NDU BAPTIST HEALTH CENTER	315	1779	2094	176	1482	1658	0	0	0	155	168	323	265	262	3	1	0	2	2	2	2	0	0
7	NGEPTANG BAPTIST HEALTH CENTER	111	284	395	150	301	451	119	215	334	50	48	98	79	77	4	0	3	0	7	7	7	0	0
8	NGOUNSO BAPITIST HEALTH CENTER	565	1309	1874	143	335	478	100	278	378	83	109	192	311	303	2	3	2	6	4	4	4	0	0
9	ROMKONG BAPTIST HEALTH CENTER	117	441	558	81	479	560	0	12	12	39	46	85	103	103	3	0	0	0	3	6	5	1	0
10	NWAT BAPTIST HEALTH CENTER	157	252	409	67	145	212	36	33	69	91	35	126	116	112	3	1	5	4	3	3	3	0	0
11	KOUSSAM BAPTIST HEALTH CENTER	61	102	163	47	207	254	0	1	1	9	13	22	32	32	0	1	0	0	8	8	6	2	0
12	NDONGA BAPTIST HOSPITAL-MBEM	140	585	725	111	346	457	8	7	15	11	33	44	128	122	2	1	5	3	4	4	3	1	0
13	MBINGO BAPTIST HOSPITAL	330	1642	1972	181	631	812	0	0	0	123	120	243	883	851	47	30	7	23	83	94	53	24	7
14	AKEH BAPTISH HEALTH CENTER	84	330	414	58	378	436	6	24	30	27	39	66	92	92	0	1	0	2	1	1	1	0	0
15	BAFOUSSAM BAPTIST HEALTH CENTER	567	1837	2404	93	528	621	70	311	381	152	200	352	0	0	0	0	0	0	1	1	0	0	0
16	BELO BAPTIST HEALTH CENTER	454	1924	2378	511	1348	1859	181	226	407	220	154	374	328	328	0	0	0	0	7	7	7	0	0
17	FINKWI BAPTIST HEALTH CENTER	199	467	666	143	464	607	7	7	14	135	123	258	151	151	4	0	2	0	5	6	5	0	0
18	KWIGHE BAPTIST HEALTH CENTER	74	322	396	52	138	190	50	2	52	111	39	150	86	86	0	0	1	0	6	6	6	0	0
19	ASHONG BAPTIST HEALTH CENTER	52	107	159	39	155	194	3	9	12	22	9	31	30	30	0	0	1	0	1	1	1	0	0
20	NKWEN BAPTIST HEALTH CENTER	667	3051	3718	995	2636	3631	1377	1766	3143	399	449	848	0	0	0	0	0	0	18	21	15	3	3
21	SABGA BAPTIST HEALTH CENTER	112	332	444	89	320	409	0	0	0	135	55	190	74	74	0	0	0	0	8	8	8	0	0
22	BAYANGAM BAPTIST HEALTH CENTER	30	102	132	2	14	16	0	2	2	3	12	15	13	13	0	0	0	0	2	4	3	0	1
23	MAMFE BAPTIST HEALTH CENTER	40	65	105	0	0	0	13	17	30	34	22	56	3	3	0	0	0	0	1	1	1	0	1
24	NDEMBAYA BAPTIST HEALTH CENTER	30	83	113	0	0	0	1	0	1	11	9	20	31	26	0	0	0	0	5	6	4	0	0
25	BANYO BAPTIST HOSPISTAL	169	460	629	91	246	337	63	80	143	56	46	102	184	166	17	7	3	8	7	7	7	0	0
26	ALLAT BAPTIST HEALTH CENTER	127	56	183	395	1196	1591	0	0	0	56	30	86	68	65	2	0	0	2	0	0	0	0	0
27	SARKI BAKA BAPTIST HEALTH CENTER	166	228	394	0	0	0	0	0	0	18	9	27	123	119	2	0	1	7	5	5	5	0	0
28	NYAMBOYA BAPTIST HEALTH CENTER	243	365	608	604	954	1558	0	0	0	44	62	106	131	121	1	0	2	1	5	5	5	0	0
29	BAPTIST HOSPITAL MUTENGENE	1141	4305	5446	619	1494	2113	25	24	49	387	349	736	880	922	86	3	1	17	40	40	38	0	2
30	EKOUNOU BAPTIST HEALTH CENTER	403	1113	1516	358	2143	2501	62	28	90	84	120	204	0	0	0	0	0	0	0	0	0	0	0
31	ETOUUG-EBE BAPTIST HEALTH CENTER	1927	7053	8980	682	5623	6305	51	125	176	577	626	1203	0	0	0	0	0	0	48	66	72	1	0
32	KUMBA BAPTIST HEALTH CENTER	934	2380	3314	382	1626	2008	49	285	334	301	280	581	391	374	0	0	1	1	19	19	18	1	0
33	VOUDOU BAPTIST HEALTH CENTER	379	584	963	102	367	469	11	0	11	92	78	170	192	190	0	0	0	0	3	4	4	0	0
34	EKONDOTITI BAPTIST HEALTH CENTER	73	328	401	73	277	350	0	0	0	16	21	37	55	54	0	0	3	1	3	3	3	0	0
35	BAFIA BAPTIST HEALTH CENTER	54	138	192	1	18	19	2	0	2	16	3	19	37	37	0	0	0	2	10	11	4	0	7
36	MBOPPI BAPTIST HOSPITAL DOUALA	4178	17788	21966	5858	8402	14260	0	0	0	856	949	1805	3302	3228	184	46	2	42	32	32	32	0	0
		15873	57717	73590	13494	38596	52090	2832	4821	7653	5335	5354	10689	10221	9972	435	109	43	178	484	534	421	78	30

## Appendix 7 – Immunization

SN	NAME	MENINGITIS			BCG			ORAL POLIO 0			PENTA 1			PENTA 2			PENTA 3			PCV13 1			PCV13 2			PCV13 3			ROTARIX 1			ROTARIX 2		
		AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL
		12760	528	13288	9021	785	9806	9127	389	9516	8335	1040	9375	7892	932	8824	7624	930	8554	8263	1051	9314	7847	909	8756	7511	923	8434	7861	828	8689	7437	702	8139
1	BANSO BAPTIST HOSPITAL	130	0	130	918	0	918	939	4	943	478	28	506	450	31	481	444	27	471	478	28	506	436	31	467	388	27	415	478	28	506	422	31	453
2	BANGOLAN BAPTIST HEALTH CENTER	0	0	0	286	60	346	304	74	378	300	88	388	240	54	294	205	78	283	300	90	390	240	53	293	205	77	282	295	81	376	232	52	284
3	JIKIJEM BAPTIST HEALTH CENTER	0	0	0	309	0	309	309	0	309	360	19	379	314	16	330	297	13	310	353	20	373	319	16	335	280	10	290	347	18	365	314	12	326
4	KOUHOUAT BAPTIST HEALTH CENTER	0	0	0	97	2	99	97	0	97	113	0	113	91	0	91	69	0	69	113	0	113	91	0	91	69	0	69	102	0	102	77	0	77
5	LASSIN BAPTIST HEALTH CENTER	0	0	0	109	0	109	113	0	113	122	0	122	208	0	208	136	0	136	125	0	125	198	0	198	136	13	149	121	0	121	212	0	212
6	NDU BAPTIST HEALTH CENTER	0	0	0	184	0	184	184	0	184	280	0	280	262	0	262	232	0	232	238	0	238	252	0	252	205	0	205	245	0	245	226	0	226
7	NGEPTANG BAPTIST HEALTH CENTER	0	0	0	141	10	151	137	9	146	74	101	175	64	102	166	66	102	168	74	101	175	64	98	162	66	104	170	75	98	173	63	121	184
8	NGOUNSO BAPTIST HEALTH CENTER	0	0	0	193	0	193	209	0	209	156	0	156	143	0	143	117	0	117	156	0	156	143	0	143	110	0	110	152	0	152	138	0	138
9	ROMKONG BAPTIST HEALTH CENTER	19	0	19	103	0	103	108	0	108	71	7	78	56	9	65	54	10	64	74	7	81	57	9	66	54	10	64	75	7	82	57	9	66
10	NWAT BAPTIST HEALTH CENTER	0	0	0	102	3	105	117	6	123	92	10	102	78	15	93	67	14	81	77	9	86	68	13	81	74	13	87	76	19	95	83	13	96
11	KOUSSAM BAPTIST HEALTH CENTER	0	0	0	29	0	29	26	0	26	41	0	41	34	0	34	37	0	37	41	0	41	34	0	34	37	0	37	36	0	36	30	0	30
12	NDONGA BAPTIST HOSPITAL-MBEM	0	0	0	105	0	105	98	0	98	117	0	117	83	0	83	82	0	82	115	0	115	95	0	95	81	0	81	103	0	103	77	0	77
13	MBINGO BAPTIST HOSPITAL	0	0	0	269	49	318	430	0	430	154	0	154	140	2	142	142	0	142	153	0	153	140	1	141	142	0	142	158	0	158	135	1	136
14	AKEH BAPTIST HEALTH CENTER	0	0	0	98	0	98	111	0	111	79	0	79	94	0	94	82	0	82	79	0	79	94	0	94	82	0	82	78	0	78	94	0	94
15	BAFOUSSAM BAPTIST HEALTH CENTER	3738	426	4164	0	0	0	0	0	0	91	31	122	104	26	130	117	35	152	94	26	120	99	10	109	108	19	127	78	15	93	99	10	109
16	BELO BAPTIST HEALTH CENTER	0	0	0	340	0	340	334	0	334	338	10	348	275	10	285	286	14	300	338	1	339	275	0	275	284	2	286	189	1	190	163	0	163
17	FINKWI BAPTIST HEALTH CENTER	0	0	0	151	0	151	151	0	151	150	0	150	130	0	130	114	0	114	151	0	151	124	0	124	117	0	117	149	0	149	137	0	137
18	KWIGHE BAPTIST HEALTH CENTER	55	3	58	103	19	122	98	18	116	99	33	132	94	27	121	87	13	100	99	33	132	93	27	120	89	23	112	99	33	132	91	29	120
19	ASHONG BAPTIST HEALTH CENTER	0	0	0	30	0	30	43	0	43	24	0	24	26	0	26	24	0	24	26	0	26	32	0	32	30	0	30	36	0	36	38	0	38
20	NKWEN BAPTIST HEALTH CENTER	4053	0	4053	0	0	0	0	0	0	338	0	338	381	0	381	377	0	377	338	0	338	391	0	391	377	0	377	338	0	338	391	0	391
21	SABGA BAPTIST HEALTH CENTER	0	0	0	87	2	89	87	1	88	101	10	111	104	9	113	89	6	95	101	10	111	104	9	113	90	6	96	87	10	97	97	7	104
22	BAYANGAM BAPTIST HEALTH CENTER	100	0	100	11	2	13	8	1	9	20	0	20	26	0	26	20	0	20	20	0	20	25	0	25	20	0	20	20	0	20	25	0	25
23	MAMFE BAPTIST HEALTH CENTER	0	0	0	1	0	1	1	0	1	3	0	3	8	0	8	3	0	3	0	0	0	2	0	2	0	0	0	4	0	4	6	0	6
24	NDEMBAYA BAPTIST HEALTH CENTER	0	0	0	1	0	1	0	0	0	2	6	8	5	6	11	4	10	14	2	4	6	5	8	13	4	11	15	2	4	6	5	9	14
25	BANYO BAPTIST HOSPITAL	11	0	11	114	1	115	85	1	86	109	7	116	118	6	124	81	1	82	107	7	114	120	6	126	82	1	83	99	2	101	116	3	119
26	ALLAT BAPTIST HEALTH CENTER	0	0	0	73	392	465	33	149	182	52	421	473	73	358	431	67	378	445	52	436	488	73	367	440	67	378	445	37	270	307	23	202	225
27	SARKI BAKA BAPTIST HEALTH CENTER	0	0	0	75	60	135	118	28	146	49	87	136	43	95	138	42	90	132	49	87	136	43	95	138	42	90	132	49	87	136	43	93	136
28	NYAMBOYA BAPTIST HEALTH CENTER	0	0	0	214	185	399	123	98	221	206	182	388	184	166	350	162	139	301	206	192	398	178	166	344	162	139	301	182	155	337	149	110	259
29	BAPTIST HOSPITAL MUTENGNE	1369	0	1369	838	0	838	818	0	818	635	0	635	507	0	507	481	0	481	635	0	635	521	0	521	466	0	466	561	0	561	438	0	438
30	EKOUNOU BAPTIST HEALTH CENTER	163	0	163	116	0	116	109	0	109	319	0	319	334	0	334	326	0	326	319	0	319	334	0	334	326	0	326	317	0	317	336	0	336
31	ETOUG-EBE BAPTIST HEALTH CENTER	1338	0	1338	593	0	593	593	0	593	922	0	922	1029	0	1029	1120	0	1120	902	0	902	1021	0	1021	1128	0	1128	946	0	946	1022	0	1022
32	KUMBA BAPTIST HEALTH CENTER	190	0	190	379	0	379	375	0	375	390	0	390	373	0	373	347	0	347	398	0	398	365	0	365	356	0	356	369	0	369	344	0	344
33	VOUDOU BAPTIST HEALTH CENTER	51	0	51	177	0	177	152	0	152	158	0	158	151	0	151	140	0	140	158	0	158	141	0	141	135	0	135	137	0	137	121	0	121
34	EKONDOTI BAPTIST HEALTH CENTER	0	0	0	69	0	69	62	0	62	56	0	56	49	0	49	69	0	69	56	0	56	49	0	49	59	0	59	58	0	58	53	0	53
35	BAFIA BAPTIST HEALTH CENTER	521	99	620	4	0	4	8	0	8	4	0	4	5	0	5	5	0	5	4	0	4	5	0	5	7	0	7	4	0	4	8	0	8
36	MBOPPI BAPTIST HOSPITAL DOUALA	1022	0	1022	2702	0	2702	2747	0	2747	1832	0	1832	1616	0	1616	1633	0	1633	1832	0	1832	1616	0	1616	1633	0	1633	1759	0	1759	1572	0	1572
		12760	528	13288	9021	785	9806	9127	389	9516	8335	1040	9375	7892	932	8824	7624	930	8554	8263	1051	9314	7847	909	8756	7511	923	8434	7861	828	8689	7437	702	8139

SN	NAME	ORAL POLIO 1			ORAL POLIO 2			ORAL POLIO 3			IPV			VIT A 6 to 11			VIT A 12+++			VIT A 12 POST PARTUM			MEASELS			YELLOW FEVER			TT1			TT2			TT3			TT4			TT5			HPV			TOTAL VACCINS	
		AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL	AT FACILITY	OUTREACH	TOTAL								
		8232	1010	9242	7796	898	8694	7449	920	8369	6218	702	6920	5124	632	5756	3332	706	4038	5588	260	5848	6604	712	7316	6698	702	7400	9194	651	9845	6376	405	6781	2559	121	2680	1254	42	1296	707	32	739	542	1102	1644	189263	
1	BANSO BAPTIST HOSPITAL	470	26	496	443	33	476	397	25	422	338	22	360	132	19	151	48	72	120	480	0	480	284	14	298	284	14	298	717	366	1083	319	223	542	88	55	143	42	27	69	28	22	50	0	0	0	10784	
2	BANGOLAN BAPTIST HEALTH CENTER	294	69	363	241	55	296	212	93	305	205	93	298	161	46	207	22	4	26	535	20	555	125	43	168	125	43	168	251	3	254	149	12	161	28	0	28	65	0	65	27	0	27	0	0	0	6235	
3	JIKIJEM BAPTIST HEALTH CENTER	355	19	374	319	16	335	299	10	309	297	11	308	29	2	31	0	0	0	49	0	49	268	0	268	301	0	301	262	0	262	172	0	172	52	0	52	19	0	19	18	0	18	2	0	2	5826	
4	KOUHOUAT BAPTIST HEALTH CENTER	115	0	115	93	0	93	69	0	69	69	0	69	50	0	50	1	0	1	10	0	10	47	0	47	47	0	47	122	0	122	78	0	78	31	0	31	9	0	9	4	0	4	0	0	1666		
5	LASSIN BAPTIST HEALTH CENTER	117	0	117	208	0	208	136	6	142	140	0	140	131	0	131	92	0	92	90	0	90	105	0	105	106	0	106	76	0	76	57	0	57	25	0	25	12	0	12	8	0	8	0	0	0	2802	
6	NDU BAPTIST HEALTH CENTER	291	0	291	273	0	273	238	0	238	69	0	69	193	0	193	147	0	147	192	0	192	226	0	226	229	0	229	144	0	144	55	0	55	48	0	48	36	0	36	15	0	15	0	0	0	4464	
7	NGEPTANG BAPTIST HEALTH CENTER	67	102	169	65	102	167	64	94	158	57	68	125	61	27	88	59	53	112	66	8	74	59	91	150	59	91	150	52	3	55	52	10	62	36	18	54	8	4	12	5	5	10	0	0	0	3056	
8	NGOUNSO BAPTIST HEALTH CENTER	163	0	163	143	0	143	110	0	110	110	0	110	26	0	26	4	0	4	0	0	0	95	0	95	95	0	95	207	0	207	143	0	143	55	0	55	17	0	17	10	0	10	0	0	0	2695	
9	ROMKONG BAPTIST HEALTH CENTER	77	7	84	55	9	64	50	9	59	31	6	37	11	0	11	7	0	7	33	0	33	42	9	51	40	9	49	71	2	73	40	0	40	13	0	13	9	0	9	3	0	3	0	0	0	1329	
10	NWAT BAPTIST HEALTH CENTER	88	10	98	84	15	99	69	14	83	56	14	70	33	6	39	6	0	6	101	0	101	40	4	44	49	4	53	132	13	145	81	1	82	21	2	23	6	2	8	1	0	1	0	0	1801		
11	KOUSSAM BAPTIST HEALTH CENTER	35	0	35	20	0	20	28	0	28	18	0	18	11	0	11	11	0	11	1	0	1	25	0	25	29	0	29	28	0	28	16	0	16	20	0	20	1	0	1	0	0	0	0	0	588		
12	NDONGA BAPTIST HOSPITAL-MBEM	117	0	117	75	0	75	79	0	79	25	0	25	61	0	61	7	0	7	0	0	0	78	0	78	73	0	73	163	21	184	135	0	135	0	0	0	0	0	0	0	0	0	0	0	1790		
13	MBINGO BAPTIST HOSPITAL	158	0	158	135	0	135	142	0	142	142	0	142	41	0	41	16	0	16	288	0	288	22	0	22	22	0	22	90	0	90	72	0	72	46	0	46	33	0	33	23	0	23	0	0	0	3146	
14	AKEH BAPTIST HEALTH CENTER	79	0	79	93	0	93	82	0	82	76	0	76	37	0	37	118	0	118	160	0	160	68	0	68	68	0	68	98	0	98	105	0	105	12	0	12	0	0	0	0	0	0	0	0	0	1887	
15	BAFOUSSAM BAPTIST HEALTH CENTER	88	15	103	96	10	106	108	19	127	42	0	42	69	0	69	36	0	36	52	0	52	88	0	88	87	0	87	237	0	237	168	0	168	83	0	83	39	0	39	23	0	23	2	0	2	6388	
16	BELO BAPTIST HEALTH CENTER	338	0	338	275	0	275	281	0	281	220	5	225	268	24	292	87	19	106	340	0	340	266	0	266	269	0	269	295	3	298	236	1	237	34	0	34	10	0	10	7	0	7	17	0	17	5855	
17	FINKWI BAPTIST HEALTH CENTER	144	0	144	112	0	112	131	0	131	48	0	48	117	10	127	380	111	491	239	0	239	90	0	90	100	0	100	125	12	137	89	8	97	21	1	22	14	0	14	9	0	9	0	0	0	3135	
18	KWIGHE BAPTIST HEALTH CENTER	97	24	121	94	24	118	91	25	116	42	5	47	22	1	23	17	0	17	17	2	19	104	17	121	91	15	106	34	4	38	7	7	14	0	3	3	1	0	1	0	0	0	0	0	0	2009	
19	ASHONG BAPTIST HEALTH CENTER	26	0	26	33	0	33	28	0	28	28	0	28	17	0	17	2	0	2	31	0	31	33	0	33	33	0	33	57	3	60	27	0	27	6	0	6	2	0	2	0	0	0	3	0	3	638	
20	NKWEN BAPTIST HEALTH CENTER	338	0	338	391	0	391	377	0	377	409	0	409	372	0	372	267	0	267	43	0	43	352	0	352	352	0	352	568	0	568	406	0	406	123	0	123	24	0	24	16	0	16	0	0	0	0	11022
21	SABGA BAPTIST HEALTH CENTER	101	10	111	105	6	111	87	6	93	85	5	90	23	0	23	0	0	0	0	0	0	70	2	72	71	2	73	117	2	119	20	0	20	4	0	4	5	0	5	7	0	7	0	0	0	1745	
22	BAYANGAM BAPTIST HEALTH CENTER	12	0	12	17	0	17	17	0	17	16	0	16	27	0	27	0	0	0	9	0	9	19	0	19	19	0	19	6	0	6	4	0	4	2	0	2	1	0	1	1	0	1	0	0	0	448	
23	MAMFE BAPTIST HEALTH CENTER	5	0	5	8	0	8	5	0	5	0	0	0	3	0	3	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	
24	NDEMBAYA BAPTIST HEALTH CENTER	4	3	7	3	6	9	6	9	15	4	11	15	0	1	1	0	0	0	0	18	18	5	22	27	5	22	27	9	0	9	4	0	4	2	0	2	0	0	0	0	0	0	0	0	0	222	
25	BANYO BAPTIST HOSPITAL	54	2	56	72	3	75	53	1	54	56	0	56	64	3	67	52	12	64	139	0	139	64	2	66	73	2	75	130	0	130	90	0	90	6	0	6	3	0	3	4	0	4	0	0	0	1962	
26	ALLAT BAPTIST HEALTH CENTER	60	436	496	73	358	431	68	387	455	6	229	235	14	256	270	0	308	308	10	167	177	42	365	407	42	357	399	14	165	179	8	105	113	1	32	33	2	5	7	0	2	2	171	1101	1272	8685	
27	SARKI BAKA BAPTIST HEALTH CENTER	48	95	143	43	95	138	42	93	135	43	72	115	50	62	112	56	43	99	100	28	128	53	70	123	53	70	123	128	33	161	100	21	121	63	8	71	21	4	25	11	3	14	4	1	5	2878	
28	NYAMBOYA BAPTIST HEALTH CENTER	206	192	398	184	166	350	162	129	291	125	126	251	97	94	191	1	84	85	90	17	107	69	73	142	69	73	142	120	21	141	112	17	129	79	2	81	31	0	31	14	0	14	0	0	0	5651	
29	BAPTIST HOSPITAL MUTENGENE	621	0	621	521	0	521	433																																								

## Appendix 8 – Surgeries and Notifiable Diseases

SN	NAME	MINOR SURGERIES	MAJOR SURGERIES	TOTAL SURGERIES	NEONATAL TETANUS	LEPROSY	YELLOW FEVER	CEREBROSPINAL MENING	HUMAN RABIES	TUBERCULOSIS	CHOLERA	TYPHOID FEVER	POLIOMYELITIS	MEASLES
		28266	10881	39147	3	8	9	7	0	1172	0	1405	0	13
1	BANSO BAPTIST HOSPITAL	5151	2540	7691	2	0	2	1	0	155	0	4	0	3
2	BANGOLAN BAPTIST HEALTH CENTER	868	0	868	0	0	0	0	0	0	0	52	0	0
3	JIKIJEM BAPTIST HEALTH CENTER	1202	0	1202	0	0	0	0	0	2	0	0	0	0
4	KOUHOUAT BAPTIST HEALTH CENTER	450	0	450	0	1	0	3	0	2	0	0	0	0
5	LASSIN BAPTIST HEALTH CENTER	74	0	74	0	0	0	0	0	0	0	2	0	0
6	NDU BAPTIST HEALTH CENTER	96	0	96	0	0	0	0	0	4	0	0	0	0
7	NGEPTANG BAPTIST HEALTH CENTER	79	0	79	0	0	0	0	0	0	0	0	0	0
8	NGOUNSO BAPITIST HEALTH CENTER	206	0	206	0	0	0	0	0	0	0	39	0	0
9	ROMKONG BAPTIST HEALTH CENTER	412	0	412	0	0	0	0	0	0	0	0	0	0
10	NWAT BAPTIST HEALTH CENTER	115	0	115	0	0	0	0	0	0	0	0	0	0
11	KOUSSAM BAPTIST HEALTH CENTER	11	0	11	0	0	0	0	0	2	0	3	0	0
12	NDONGA BAPTIST HOSPITAL-MBEM	232	27	259	0	0	0	0	0	3	0	0	0	0
13	MBINGO BAPTIST HOSPITAL	4783	4332	9115	0	6	0	0	0	411	0	9	0	0
14	AKEH BAPTISH HEALTH CENTER	158	0	158	0	0	0	0	0	0	0	0	0	0
15	BAFOUSSAM BAPTIST HEALTH CENTER	62	0	62	0	0	0	0	0	16	0	8	0	0
16	BELO BAPTIST HEALTH CENTER	607	0	607	0	0	0	0	0	0	0	0	0	0
17	FINKWI BAPTIST HEALTH CENTER	514	0	514	0	0	0	1	0	0	0	0	0	0
18	KWIGHE BAPTIST HEALTH CENTER	98	0	98	0	0	1	0	0	0	0	0	0	0
19	ASHONG BAPTIST HEALTH CENTER	78	0	78	0	0	0	0	0	1	0	24	0	0
20	NKWEN BAPTIST HEALTH CENTER	602	0	602	0	0	2	0	0	34	0	280	0	10
21	SABGA BAPTIST HEALTH CENTER	327	0	327	0	0	0	0	0	0	0	0	0	0
22	BAYANGAM BAPTIST HEALTH CENTER	18	0	18	0	0	0	0	0	0	0	4	0	0
23	MAMFE BAPTIST HEALTH CENTER	346	0	346	0	0	0	0	0	2	0	23	0	0
24	NDEMBAYA BAPTIST HEALTH CENTER	36	0	36	0	0	0	0	0	0	0	0	0	0
25	BANYO BAPTIST HOSPISTAL	519	183	702	0	0	0	1	0	19	0	43	0	0
26	ALLAT BAPTIST HEALTH CENTER	46	0	46	0	0	0	0	0	0	0	35	0	0
27	SARKI BAKA BAPTIST HEALTH CENTER	82	0	82	1	0	0	0	0	0	0	5	0	0
28	NYAMBOYA BAPTIST HEALTH CENTER	129	0	129	0	0	0	1	0	1	0	24	0	0
29	BAPTIST HOSPITAL MUTENGENE	3970	2295	6265	0	0	4	0	0	183	0	193	0	0
30	EKOUNOU BAPTIST HEALTH CENTER	329	0	329	0	0	0	0	0	0	0	2	0	0
31	ETOUG-EBE BAPTIST HEALTH CENTER	1253	0	1253	0	0	0	0	0	39	0	516	0	0
32	KUMBA BAPTIST HEALTH CENTER	1174	0	1174	0	0	0	0	0	34	0	0	0	0
33	VOUDOU BAPTIST HEALTH CENTER	94	0	94	0	0	0	0	0	0	0	0	0	0
34	EKONDOTITI BAPTIST HEALTH CENTER	70	0	70	0	1	0	0	0	0	0	97	0	0
35	BAFIA BAPTIST HEALTH CENTER	75	0	75	0	0	0	0	0	0	0	42	0	0
36	MBOPPI BAPTIST HOSPITAL DOUALA	4000	1504	5504	0	0	0	0	0	264	0	0	0	0
		28266	10881	39147	3	8	9	7	0	1172	0	1405	0	13





SN	NAME	BLOOD DONORS		PATIENTS		AGE GROUP/SEX OF POSITIVE CASES OF HIV												
						<1		1-5		6-15		16-45		>45		TOTAL		TOTAL HIV+
		HIV+	HIV-	HIV+	HIV-	M	F	M	F	M	F	M	F	M	F	M	F	
		112	9481	5127	85459	58	40	46	73	56	105	1419	2681	556	632	2135	3531	5666
1	BANSO BAPTIST HOSPITAL	16	1000	548	11159	2	6	5	13	7	14	167	213	83	51	264	297	561
2	BANGOLAN BAPTIST HEALTH CENTER	0	24	19	2796	0	0	1	0	0	0	10	4	1	3	12	7	19
3	JIKIJEM BAPTIST HEALTH CENTER	0	42	37	1140	0	1	1	2	0	0	11	19	1	2	13	24	37
4	KOUHOUAT BAPTIST HEALTH CENTER	6	28	35	719	0	0	0	0	0	0	12	22	2	3	14	25	39
5	LASSIN BAPTIST HEALTH CENTER	1	11	16	310	0	1	9	29	6	8	15	64	5	2	35	104	139
6	NDU BAPTIST HEALTH CENTER	5	90	73	1101	0	0	0	0	0	0	27	32	10	9	37	41	78
7	NGEPTANG BAPTIST HEALTH CENTER	0	13	12	235	0	0	0	0	0	0	4	7	0	0	4	7	11
8	NGOUNSO BAPITIST HEALTH CENTER	5	283	92	617	0	0	1	0	0	0	28	55	11	1	40	56	96
9	ROMKONG BAPTIST HEALTH CENTER	0	0	8	417	27	0	0	0	0	0	2	6	0	0	29	6	35
10	NWAT BAPTIST HEALTH CENTER	0	42	32	495	0	0	0	1	0	1	9	15	3	4	12	21	33
11	KOUSSAM BAPTIST HEALTH CENTER	1	2	7	86	0	0	0	0	0	0	1	4	2	0	3	4	7
12	NDONGA BAPTIST HOSPITAL-MBEM	0	23	6	497	0	0	0	0	0	0	0	4	2	0	2	4	6
13	MBINGO BAPTIST HOSPITAL	20	3494	456	7596	4	6	4	1	7	6	137	193	72	80	224	286	510
14	AKEH BAPTISH HEALTH CENTER	0	16	6	303	0	0	0	0	0	0	2	0	0	2	2	2	4
15	BAFOUSSAM BAPTIST HEALTH CENTER	0	0	109	1183	0	0	0	0	0	0	31	39	9	10	40	49	89
16	BELO BAPTIST HEALTH CENTER	0	0	17	846	0	0	1	0	1	0	1	4	0	2	3	6	9
17	FINKWI BAPTIST HEALTH CENTER	0	7	38	1134	1	0	0	0	0	2	9	7	2	3	12	12	24
18	KWIGHE BAPTIST HEALTH CENTER	0	0	6	350	0	3	1	1	2	0	19	49	6	14	28	67	95
19	ASHONG BAPTIST HEALTH CENTER	0	4	17	390	1	2	3	3	5	13	7	30	6	9	22	57	79
20	NKWEN BAPTIST HEALTH CENTER	0	0	327	4255	0	1	0	2	1	5	80	152	18	27	99	187	286
21	SABGA BAPTIST HEALTH CENTER	0	6	34	714	0	1	0	0	0	0	6	21	3	3	9	25	34
22	BAYANGAM BAPTIST HEALTH CENTER	0	0	7	122	0	0	0	0	0	0	2	4	1	0	3	4	7
23	MAMFE BAPTIST HEALTH CENTER	0	0	29	594	0	0	1	0	0	0	10	26	5	16	16	42	58
24	NDEMBAYA BAPTIST HEALTH CENTER	0	4	20	391	0	1	0	0	0	0	5	9	1	2	6	12	18
25	BANYO BAPTIST HOSPISTAL	0	228	42	370	0	0	0	0	0	0	12	25	2	3	14	28	42
26	ALLAT BAPTIST HEALTH CENTER	0	36	11	186	0	0	1	0	0	0	2	6	2	0	5	6	11
27	SARKI BAKA BAPTIST HEALTH CENTER	1	33	11	243	0	0	0	0	0	0	3	8	0	1	3	9	12
28	NYAMBOYA BAPTIST HEALTH CENTER	0	106	30	485	0	0	1	1	0	0	6	21	1	0	8	22	30
29	BAPTIST HOSPITAL MUTENGENE	46	2164	754	7095	4	3	3	3	6	9	236	364	63	87	312	466	778
30	EKOUNOU BAPTIST HEALTH CENTER	0	0	102	2351	2	0	0	1	1	1	33	53	5	6	41	61	102
31	ETOUG-EBE BAPTIST HEALTH CENTER	0	0	580	13963	9	10	9	4	5	27	115	321	43	41	181	403	584
32	KUMBA BAPTIST HEALTH CENTER	3	15	348	6233	2	1	2	3	6	6	84	192	27	26	121	228	349
33	VOUDOU BAPTIST HEALTH CENTER	0	82	41	1006	0	0	0	1	3	6	16	9	3	3	22	19	41
34	EKONDOTITI BAPTIST HEALTH CENTER	2	18	31	223	3	1	0	7	3	1	86	96	6	10	98	115	213
35	BAFIA BAPTIST HEALTH CENTER	0	21	15	287	0	0	0	0	0	0	3	7	1	2	4	9	13
36	MBOPPI BAPTIST HOSPITAL DOUALA	6	1689	1211	15567	3	3	3	1	3	6	228	600	160	210	397	820	1217
		112	9481	5127	85459	58	40	46	73	56	105	1419	2681	556	632	2135	3531	5666

[illegible]

## Appendix 11- Diabetes

SN	NAME	DIABETES BY NEW AND OLD				TYPE		DRUG			AGE GROUP/SEX DISTRIBUTION											
		NEW		OLD		ONE	TWO	ORA	INJ	DIET	<1		1-5		6-15		16-45		>45		TOTAL	
		M	F	M	F						M	F	M	F	M	F	M	F				
		924	1064	6200	9304	2302	9508	9901	2224	3739	0	1	4	4	23	16	1473	2035	5643	8481	7143	10537
1	BANSO BAPTIST HOSPITAL	175	113	235	388	137	133	107	28	20	0	0	0	0	0	0	19	43	346	807	365	850
2	BANGOLAN BAPTIST HEALTH CENTER	59	44	61	57	60	162	162	60	9	0	0	0	0	3	0	48	36	71	69	122	105
3	JKIJEM BAPTIST HEALTH CENTER	3	4	240	275	0	514	488	26	0	0	0	0	0	0	0	42	51	200	223	242	274
4	KOUHOUAT BAPTIST HEALTH CENTER	29	29	211	208	78	399	459	18	0	0	0	0	0	0	1	55	43	224	180	279	224
5	LASSIN BAPTIST HEALTH CENTER	3	1	27	42	11	28	35	14	0	0	0	0	0	0	0	10	5	19	35	29	40
6	NDU BAPTIST HEALTH CENTER	50	61	233	470	99	440	532	36	0	0	0	0	0	0	0	12	7	272	440	284	447
7	NGEPTANG BAPTIST HEALTH CENTER	0	1	21	68	4	2	62	24	1	0	0	0	0	1	0	8	12	14	56	23	68
8	NGOUNSO BAPITIST HEALTH CENTER	33	34	56	47	0	0	81	50	0	0	0	0	0	2	2	28	22	63	60	93	84
9	ROMKONG BAPTIST HEALTH CENTER	18	21	68	128	3	188	186	48	4	0	0	0	0	0	0	15	4	80	126	95	130
10	NWAT BAPTIST HEALTH CENTER	1	1	61	77	5	135	127	22	0	0	0	0	0	0	0	1	10	59	70	60	80
11	KOUSSAM BAPTIST HEALTH CENTER	2	2	34	43	47	32	76	0	55	0	0	0	0	0	0	5	10	28	31	33	41
12	NDONGA BAPTIST HOSPITAL-MBEM	5	10	12	25	33	7	40	0	0	0	0	0	0	0	0	0	4	20	27	20	31
13	MBINGO BAPTIST HOSPITAL	8	16	151	175	0	333	294	71	321	0	0	0	1	0	0	10	17	149	174	159	192
14	AKEH BAPTISH HEALTH CENTER	1	1	11	25	6	32	29	0	0	0	0	0	0	0	0	0	0	12	26	12	26
15	BAFOUSSAM BAPTIST HEALTH CENTER	133	206	536	860	0	0	0	0	0	0	0	0	0	0	1	148	146	521	899	669	1046
16	BELO BAPTIST HEALTH CENTER	43	47	72	87	0	0	0	0	0	0	0	0	0	0	1	29	38	118	145	147	184
17	FINKWI BAPTIST HEALTH CENTER	59	108	8	17	0	30	0	0	0	0	0	0	0	0	0	11	25	48	75	59	100
18	KWIGHE BAPTIST HEALTH CENTER	2	3	15	30	0	0	0	0	0	0	0	0	0	0	0	1	8	15	27	16	35
19	ASHONG BAPTIST HEALTH CENTER	5	8	30	25	6	19	28	0	6	0	0	0	0	0	1	13	16	23	28	36	45
20	NKWEN BAPTIST HEALTH CENTER	27	41	357	465	2	889	636	362	99	0	0	0	0	0	3	159	203	266	345	425	551
21	SABGA BAPTIST HEALTH CENTER	3	2	94	226	5	320	325	0	0	0	0	1	0	2	2	11	34	73	276	87	312
22	BAYANGAM BAPTIST HEALTH CENTER	3	4	53	59	1	14	101	11	0	0	0	0	0	0	0	15	5	44	59	59	64
23	MAMFE BAPTIST HEALTH CENTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	NDEMBAYA BAPTIST HEALTH CENTER	2	0	35	32	0	0	7	0	0	0	0	0	0	0	0	17	8	19	18	36	26
25	BANYO BAPTIST HOSPITAL	31	21	172	110	11	8	8	11	0	0	0	0	0	0	0	41	38	170	84	211	122
26	ALLAT BAPTIST HEALTH CENTER	0	0	26	24	6	31	31	0	0	0	0	0	0	0	0	15	7	13	18	28	25
27	SARKI BAKA BAPTIST HEALTH CENTER	9	4	23	10	0	28	28	0	0	0	0	0	0	0	0	6	3	26	11	32	14
28	NYAMBOYA BAPTIST HEALTH CENTER	4	2	56	28	19	71	71	19	1	0	0	0	0	7	0	30	4	24	27	61	31
29	BAPTIST HOSPITAL MUTENGENE	16	28	585	835	317	1135	1135	317	0	0	0	0	0	0	0	137	213	452	611	589	824
30	EKOUNOU BAPTIST HEALTH CENTER	3	3	532	715	114	1147	1065	196	0	0	0	0	0	1	0	83	146	465	579	549	725
31	ETOUG-EBE BAPTIST HEALTH CENTER	119	127	741	1191	19	935	861	20	143	0	0	0	0	0	0	83	260	693	965	776	1225
32	KUMBA BAPTIST HEALTH CENTER	40	80	207	419	112	478	473	127	17	0	1	3	3	6	5	79	112	163	338	251	459
33	VOUDOU BAPTIST HEALTH CENTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	EKONDOTITI BAPTIST HEALTH CENTER	4	4	46	87	104	27	121	23	1	0	0	0	0	1	0	10	3	39	91	50	94
35	BAFIA BAPTIST HEALTH CENTER	21	19	93	124	0	12	12	0	0	0	0	0	0	0	0	12	23	98	114	110	137
36	MBOPPI BAPTIST HOSPITAL DOUALA	13	19	1098	1932	1103	1959	2321	741	3062	0	0	0	0	0	0	320	479	816	1447	1136	1926
		924	1064	6200	9304	2302	9508	9901	2224	3739	0	1	4	4	23	16	1473	2035	5643	8481	7143	10537