

St. Walburg's Hospital Nyangao

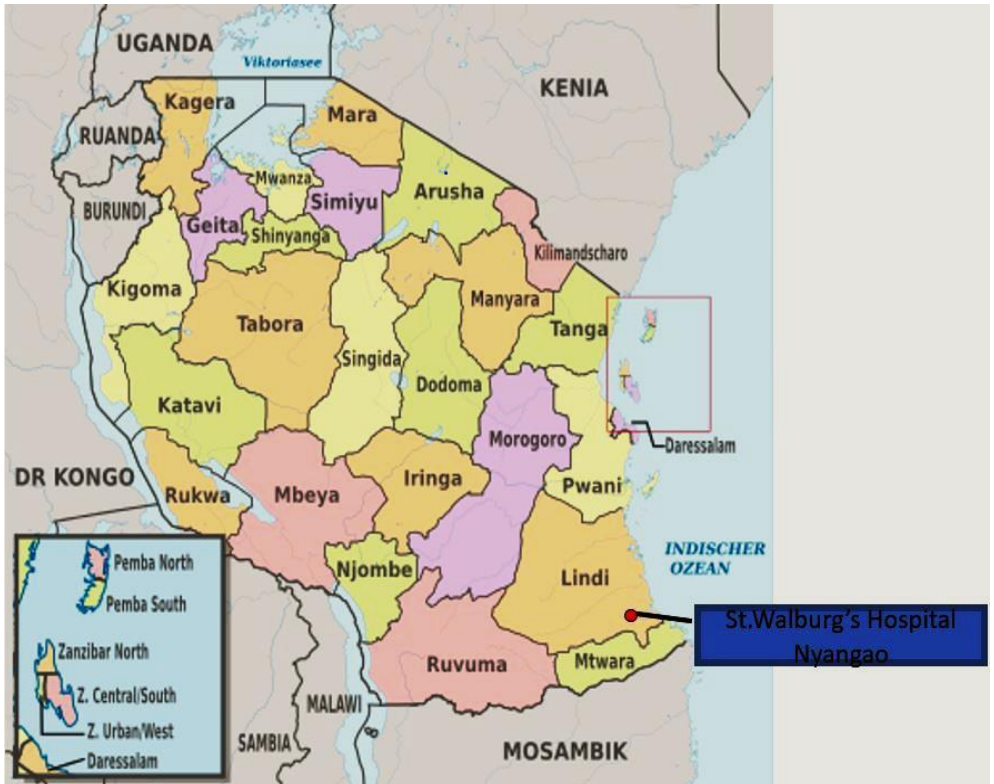


Annual Report 2020

St. Walburg's Hospital Nyangao draws
Inspiration from the Bible:

*“Cure the sick and tell them:
The reign of God is at hand”*

Luke 10 verse 9



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1. Introduction

St. Walburg's Hospital Nyangao is a Faith Based (FBH)/Council Designated Hospital (CDH) situated in Lindi District Council, Lindi Region. The hospital is owned by the Catholic Diocese of Lindi whose Bishop is Right Reverend Bruno P. Ngonyani. The hospital has 220 beds and it has been supported by the Missionary Benedictine Sisters of Tutzing and the Tanzanian Government.

In 1947 a small dispensary was opened at Nyangao. In 1959 Sister Doctor Tekla Stinnesbeck ascertained that Nyangao was an ideal location for upgrading the dispensary to a hospital. Therefore, she initiated a plan for a hospital with 86 beds. The hospital has been progressively growing and provides health services to the majority of the populations surrounding it and beyond. Services provided include; promotive, preventive, curative, rehabilitative and palliative services. A Care and Treatment Centre (CTC) was established in 2005 and cares for HIV/AIDS patients and PMCTC.

1.1 Vision, mission and core values

Our Vision, Mission, and Core values are:

Vision

Nyangao Hospital will be a flourishing Catholic Church hospital with a strong emphasis on excellent curative and preventative services for its patients, who will be cared for with compassion by the best people available.

Mission

Nyangao Hospital will be fully integrated into Tanzania's health care system and recognised as a partner by Government, have high standards of Customer Care, have a motivated and well-trained workforce, and promotes Catholic virtues through the values of the hospital, which are compassion, excellence, integrity, professionalism, and best people.

Core values:

- Compassion
- Excellence
- Integrity
- Best People
- Professionalism

1.2 Catchment area & population

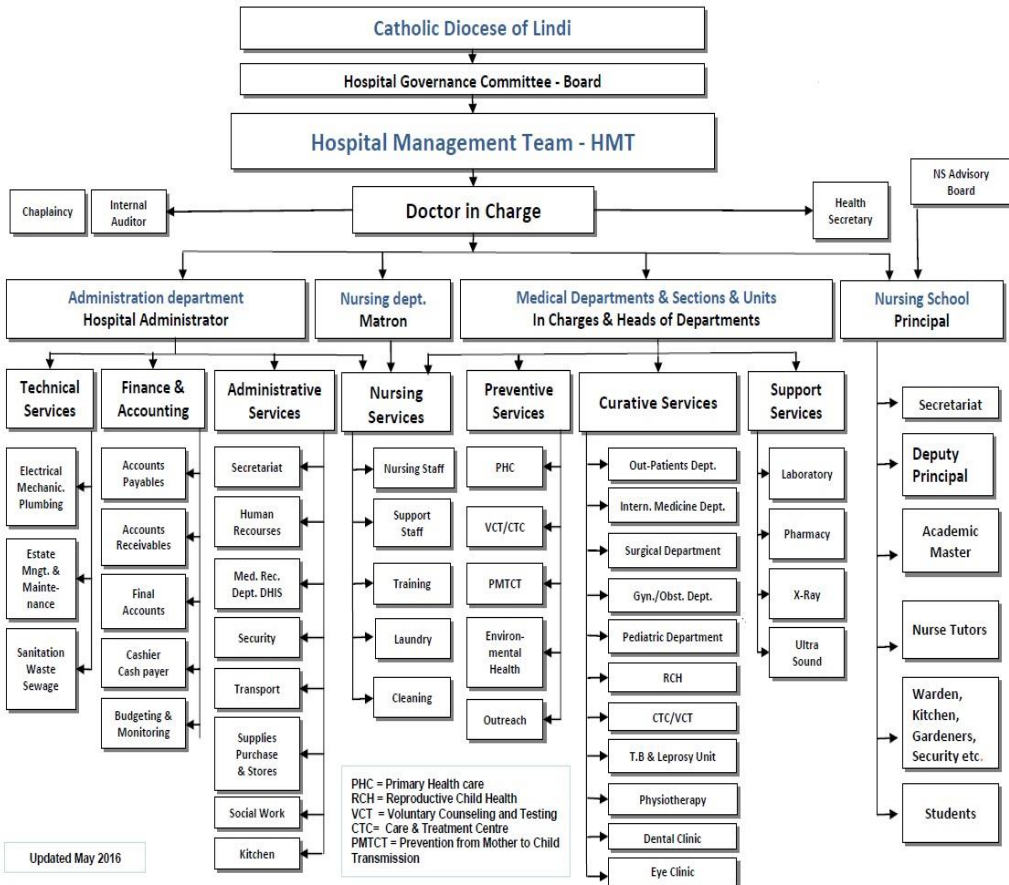
St. Walburg's Hospital Nyangao is situated on the hills of the Nyangao Village, north to the border between the Lindi and Mtwara Region. Lindi Region is surrounded by six other districts and all combined these have an estimated total of 900,000 inhabitants (2012 census). Other satellite facilities under the Catholic Diocese of Lindi are mission hospitals in Mnero and Kipatimu. Despite the fact that these hospitals exist, our hospital coverage is beyond Lindi region. Our operations cover the east-southern zone of Tanzania between Kilwa and the border of Mozambique. The hospital receives even patients from Mozambique. This implies that even if the hospital acquires necessary resources at regional level, it still needs more resources to meet the growing health service demand. Nyangao hospital is estimated to serve a population of around one million people.

1.3 Hospital Governance

The hospital has a Governing Board which is chaired by The Vicar General of the Diocese of Lindi. The hospital Medical Officer in charge is the secretary of the Board.

Board Members			
	Name	Role	Position
1.	Fr. Angelus Chitanda	Hospital Board Chairman	Vicar General
2.	Dr. Francis Msagati	Board Secretary	Acting Medical Officer in Charge
3.	Mr. Theophil Mrope	Member	Diocesan Health Secretary
4.	Sr. Raphaela Haendler OSB	Member	MSB- Tutzing Sisters Representative
5.	Sr. Teresa Zemale	Member	MSB- Tutzing Sisters Representative
6.	Fr. George Mwiru	Member	Diocesan Treasurer
7.	Evaristo J.Nguli	Member	Community representative
8.	Ms. Winfrida Liundi	Member	Hospital Matron
9.	Dr. Dismas Masulubu	Government Representative	District Medical Officer Lindi DC
10.	Dr. Genchwele Makenge	Government Representative	Regional Medical Officer- Lindi
9.	Mr. Mathei Makwinya	Local GoT Representative	Council Chairman- Ward Executive Representative
10.	Mr. Charles Laiser	Invitee	Hospital Administrator
11.	Ms. Happy Mrope	Invitee	Hospital Health Secretary
12.	Hawa Mnalipa	Invitee	Hospital Accountant

Nyangao Hospital Organizational Structure



2. Summary

In 2020 the hospital continued to improve the quality of health services delivery with more focus on quality aspects. We experience threat of Covid -19 which threatens the services delivery due to scarcity of commodities and high prices of medical supplies. However, there was an increase in number of outpatients with relatively less number of inpatients compared to previous years.

The Government of Tanzania through public private partnership (PPP) continued to emphasize on quality of health care delivery with compliances on standards. The Government continues to support human resources, financial resources through health basket fund, capacity building, medicines and medical supplies. Also, provided mentorship on laboratory quality improvement and regular supportive supervision.

The hospital continued to strengthen the cooperation with its potential stakeholder Artemed Stiftung in Germany who supported the project for the stabilization of power and IT Infrastructure. The project is still in progress, was not completed due to covid-19 pandemic. The support for medical equipment and supplies continued such as purchase of new x-ray machine, mobilization of C-ARM x-ray machine for orthopedic interventions and scholarships for short- and long-term trainings in health specialties.

The Missionary Benedictine Sisters (MBS) supported the construction and furnishing of self-contained 10 rooms Interns doctors' hostel which was completed in August 2020. This enabled the hospital to request intern doctors from the Tanganyika medical council for a one-year internship who are paid living allowance by the Government. Missionary Benedictine Sisters continued to support costs of medical care services to the poor and the vulnerable groups including children and pregnant women. Also, MBS supported improvement and renovation of infrastructures.

The Polish Medical Mission continued with project "improvement of the quality of surgical treatment and mother and child care in Lindi and

Mtwara, Tanzania". Continuation. Is the co-financed within the framework of the polish development cooperation of the Ministry of Foreign Affairs of the Republic of Poland.

Boresha Afya through USAID continued to support TB and HIV/AIDS services through capacity building, supportive supervision and ensure availability of essential commodities and equipment's, PPM for laboratory equipment, facilitate sample transportation and processing, mentorship and capacitate CTC staff on data collection and reporting.

Through collaboration with Muhimbili Orthopedic Institute (MOI), patients with trauma easily accessed specialized orthopedic services. Majority are vulnerable and poor patients whom would not afford to travel to MOI in Dar es Salaam or other specialized hospitals mostly found in urban areas, the nearest hospital is 570km (Muhimbili). By the end of the year a total of 310 major operations were performed by visiting 22 orthopedic surgeons. This strategy has made it possible to decentralize specialized services to remote rural areas.

Engage medical specialist in an effort to improve quality of health care services delivery. In collaboration with the government the following specialized services were made available to vulnerable and poor patients; Physician/Cardiologist, ENT Surgeon, Obstetrician and Gynecologist, General Surgeon). This has made the hospital to qualify as a training ground for intern doctors and increase possibilities for research and innovations.

The hospital management conducted physical verification, valuation, coding and preparation of assets register. This improves monitoring and management of assets.

We thank and appreciate the support and commitments of all staffs, the Catholic Diocese of Lindi, Stakeholders/Partners, and all Friends of the hospital for their support.



Picture: Patients awaiting for services at OPD



Patients Registration at OPD



Regional Medical Officer Lindi Region (in a suit coat) Dr. G. Makenge with Hospital Administrator Charles Laiser (in blue shirt) Welcoming the first medical Intern doctors at Nyangao Hospital

3. General Statistics overview 2020

Subject	2019	2020
Total Number of Outpatient	68055	73909
Total Number of Inpatients/Admitted	10337	8771
Total Number of Insured Patients	24068	19309
Total Number Of Outpatients in Mobile Clinics	3841	3727
Daily Average of Outpatients	186	170
Total Number of Insured Outpatients	24068	19309
RCH – Under-Five	14233	16754
Vaccinations (all MCH Clinics)	9667	11970
Anténatal attendances at Mobile clinics	480	477
RCH- Under five at mobile clinics	3361	3256
Total Number of Beds Available	220	220
Average Length of Stay in Days	3	3
Admissions in Private Ward	475	529
Bed Occupancy Rate	45%	36%
Number of Deaths	370	299
Mortality Rate	3.6%	3.4%
Major Theatre Operations	1789	1827
Minor Theatre Procedures	6050	2553

Deliveries	2405	2321
TB Diagnosis	2233	1414
Eye Clinic	804	579
Number of patients enrolled in HIV care (TX New)	225	154
Total number of clients enrolled CTC	1990	24976
Number of HIV tested HIV tested positive	281	153
Laboratory Examinations	70252	58075
Blood Transfusions	4406	5353
X- rays taken	6661	5452
Ultrasound taken	3229	2152
Total attendance dental unit	2233	1708
Total Hospital Employees	216	217
Total Hospital Expenditure	TZS 2,056,469,485	TZS 2,505,288,375
Total Income from Government ¹	TZS 219,823,392	TZS 90,695,625
Total Income from User fees	TZS 923,415,050	TZS 1,112,110,592
Total Income from Health Insurances	TZS 656,355,945	TZS 584,708,203
Total Income from Donors	TZS 530,050,229	TZS 485,085,027
Total Other Income	TZS 30,254,691	TZS 25,906,929

4. Human Resources:

Employment status:

The hospital has total of 217 staff which falls under the following categories:

Employed and paid salary by the hospital are 87.

Employed by the hospital and salary paid by the Government are 81.

Employed by the Government and attached to the hospital are 26.

Volunteers were 23.

Long-term Training:

Five (5) Staff went for further training in various institutions as follows:

1. Dr. Francis Msagati; 3 years master's degree in Internal Medicine at Muhimbili University of Health and Allied Science (MUHAS) expected to complete in 2023. Sponsored by Artemed Stiftung.
2. Mr. Sospeter Nyagabona; 4 years degree in Nursing at Bugema University in Uganda Sponsored by Artemed Stiftung expected to complete on 2022.
3. Ms. Bonitha Kapungu (Medical Attendant); 3 years Diploma in Nursing at Sr. Dr. Teckla Nursing School Nyangao under self-sponsorship and expected to complete on 2022.
4. Ms. Domina Mugyabuso; 4years degree in Nursing at St. Augustine University under self-sponsorship expected to complete on 2022.
5. Liston Livigha; 1 year upgrading course in Nursing at Sr. Dr. Teckla Nursing School under self-sponsorship expected to complete on 2021.

Short-term and on job training:

1. Mr. Craft Ditrick Ng'itu attending 6 month course on Anesthesia at MUHAS supported by the Government.
2. Mr. Gervas Issa attending 3 months course in Ultrasonography at KCMC- Kilimanjaro supported by the Hospital.

3. Two nurses, Ms Winfrida Liundi and Ms. Joyce Mpakulo and 2 cleaners, Yusta Njenga and Julia Nguli attended 2 weeks experience on nursing care and IPC and Hygiene sharing at CCBRT supported by Artemed Stiftung.

Staff Recruitment:

The hospital employed/replaced 13 employees in the following cadres;

- 1 Medical Doctor (Replacement)
- 1 Nursing Officer (New)
- 7 Assistant Nursing Officers (New)
- 1 Cashier (New)
- 1 Assistant Laboratory Technologist (New)
- 1 Assistant Accountant (Replacement)
- 1 Clinical Officer (Replacement)

Staff Secondment/Attached:

- 1 Specialist (ENT Surgeon) from Lindi Municipal Council
- 1 ANO from DED-Mtama.

Staff Turnover:

Twenty-Six (26) employees left the hospital

- 13 Compulsory & Voluntary Retirement (2 Assistant Nursing Officers, 2 Assistant Medical Officers, 1 Nurse, 2 Clinical Officers, 3 Medical Attendants, 2 Cleaners, 1 Security Guard)
- 4 Resignation (2 Nurses, 1 Radiographer, 1 Medical Officer)
- 4 Contract ended (1 Nurse, 1 Social Welfare Officer, 1 Cleaner, 1 Medical Attendant)
- 2 back to employer (DED-Mtama)- Assistant Nursing Officers
- 3 Deceased (1 Assistant Nursing Officer, 1 Laboratory Technologist, 1 Medical Attendant)

5. Curative Services

In 2020 the hospital received total of 73,909 patients who were attended as out-patient, compared 68,055 in 2019. Hypertension being the number one disease, followed by malaria and respiratory infections. The number of OPD under five visits showed an increase from 15,595 to 16,754 compared to last year 2019. The increase of patients observed is due to improved customer care, affordability, assurance of services, and availability of specialized and improved services.

The Reproductive and Child Health (RCH) department provides antenatal care services including prevention of mother to child transmission of HIV and care for under five years children. It has one daily static clinic and several mobile clinics for the nearby three villages, which are Chiwerere, Litingi and Mahiwa. The main objective of the outreach is to support the mothers in preventive medicine, vaccination, reproductive health education and advise on family planning. The team comprising of senior registered working in RCH department, health officer, Social welfare office, clinical officer, two enrolled nurses and three medical attendants and one driver are responsible for ensuring the outreach is well conducted, the plan is one visit per week.

Antenatal Clinic	
First attendance	5420
Re-attendance	4924
Total	10344

Under five clinic	
First attendance	5612
Re-attendance	2609
Total	8221

Mobile clinics	
Under five clinic	3256
Antenatal clinic	477
Total	3733

HIV CARE AND TREATMENT.

In prevention mother to child transmission (PMTCT) services; a total of 5420 first attendance was counselled and tested, 10 were HIV-positive.

RCH registered 5897 pregnant women in 2020. RCH under five registered 16754 in 2020 compared to 14233 in 2019.

CTC had cumulative number of clients from beginning of services as follows;

In 2020 total clients were 2754 compared to 2598 in 2019 an increase of 156 clients which is equal to 5%. This is due to increase of testing in PITC and CITC. Number of newly clients who started ARVs for the year 2020 were 156 compared to 2019 who were 226 and this decrease of 70 clients is due to increase of intervention on prevention spread of HIV.

Number of HIV clients who were tested for viral load in 2020 were 948 compared to 2019 who were 996, the decrease of 46 clients was due to change in testing criteria.

Number of HIV clients who received IPT(Isonized) to prevent Tuberculosis in 2020 were 271 compared to 2019 who were 449 the decrease was due to early initiation of IPT.

The hospital in collaboration with Government through USAID-Boresha Afya introduced cervical cancer screening through Visual Intersection with Acetic Acid (VIA) for the purpose of early detection and prevention of cervical cancer. This was mainly targeted to HIV clients and later on to other women of bearing age group. By the end of 2020 total of 322 women were screened, out of them 18 were positive and treated by cryotherapy.

Dental Unit

Dental clinic registered 1,743 patients in 2020 compared to 2233 in 2019, the decrease is due to increased awareness on oral hygiene in the community following the introduction of outreach services intervention using available mobile dental chair.

Dental Unit 2020	
Total patients attended	1711
Patients with dental caries	155
Patients with Shedding of Decolours	39
Patients with dental abscess	19
Patients with imparted tooth	15
Patients with malocclusions	11
Patients with Dental Flourish	9
Patients with Periodical Abscess	8
Patients with Road Traffic Accident	5
Patients with Teeth Sensitivities	4
Tall	3

During the year under review the hospital supported poor patients and comply to the Government policy of free treatment to pregnant women and under five years children who are exempted for paying their medical services. Apart from this group the hospital under social welfare department also supported the old people disabled, and those with mental health problems. The total amount of exemptions for the year 2020 was TZS 600million approximately Tshs 50 million per month the hospital suffered as a result of the exemptions, mostly are pregnant women and under five children.

Top 10 diagnoses in 2020		
No	Disease	Cases
1	Hypertension	3877
2	Malaria	3174
3	Upper Respiratory Infections	2866
4	Other Surgical Conditions	2299
5	Fractures	2131
6	Urinary Tract Infections	2069
7	Diabetes Mellitus	1600
8	Cardiovascular Diseases	1467
9	Dental Cries	1458
10	Gynaecological Diseases	1453

6. Medical Departments

6.1 Internal Medicine Department

The Internal Medicine department is responsible for the diagnostic process and treatment of a wide range of different types of diseases, concerning both communicable and non-communicable diseases. These latter diseases can be in the field of cardiovascular, respiratory, gastro-intestinal, endocrinological, neurologic and psychiatric diseases. The unit is headed by Cardiologist working with 2 medical doctors.

The department has Introduced clinic twice a week for non-communicable diseases with an average of 50 patients per clinic. The department has a modern ECG machine which helps in diagnosis of cardiovascular diseases. The department also performs cardiac ultrasounds. Through district's health office it conducts outreach to hospitals and dispensaries within Lindi region.

The department counted a total admission of 8771 patients in 2020, showing a decrease of 253 patients compared to 2019 with a total admission of 10337. This time hypertension being a leading among top ten disease.

The average length of stay for in-patient admissions was three days. The bed occupancy rate reached was 45%, which is a decrease compared to the rate of 58% of 2019.

In order for the unit to continue improving the patient care the hospital is looking to have a new cardiac ultrasound machine as the current one is an old machine which lacks important functions required in performing cardiac ultrasound like continuous wave functions (CW) but also poor colour doppler function.



Clinicians in one of their morning continue medical education meetings

6.2 Pediatric Department.

The Paediatric department is responsible for the diagnosis and treatment of patients aged under 15 years. The unit has clinics for under-five children which are conducted at RCH and outreach services to three villages for vaccination, health education and diagnosis and treatment. The Government policy is to give free medical services to under-five children and the unit has been struggling despite of minimum resources to ensure the children are getting the proper services. The inpatient services have 35 Beds and total of 1395 were admitted and deaths reduced to 1.2%.

Pediatric Ward 2020		
	Top-5 diagnoses medical	Cases
1	Malaria	486
2	Anemia	104
3	Diarrhea	89
4	Pneumonia	84
5	Eye Diseases Infection	30
	Top-5 diagnoses surgical	Cases
1	Fracture	43
2	Burn	13
3	Poisoning	11
4	Osteomyelitis	3
5	Animal bites	1

6.3. Obstetrics & Gynaecology Department

Obstetrics and gynaecology department is headed by gynaecologist working with 3 medical doctors and 13 nurse midwives. The obstetric part of the department supervises healthy pregnancies and deliveries as well as deals with problems or complications during pregnancy, delivery or after delivery.

Women in labour are admitted to newly renovated labour ward which has eight beds for delivery. Before and after delivery patients and their healthy babies are being cared for at the Obstetrics & Gynaecology ward. Gynaecological patients attended include women with problems in the reproductive system such as cervical cancer, uterine myoma, sexually transmitted infection, miscarriages, ectopic pregnancies and infertility.

We continuously strive to improve the quality of care for all our patients. In 2020 we continued with multidisciplinary research about simulation training in the labour ward. Simulation training is a process where trainees practise an evidence-based procedure or routine with a team in a controlled, simulated learning environment using realistic scenarios and equipment. After the simulation there is a debriefing with feedback and self-reflection. In this way our nurses and doctors can hopefully prepare for emergency situations, by developing practical skills, improving team work and stimulating self-awareness. This way of training is proven to be very effective in low resource settings and we hope to find a way to develop a low cost- high impact training with birth attendants and attendants in comparable situations.

Established a high dependency unit (HDU) in order to improve care and monitoring of patients with obstetrical and gynaecological complications such as; eclampsia, PPH, severe anaemia, severe malaria and other complicated conditions. This has significantly saved the lives of many women attending our hospital with serious conditions.

6.3.1 Neonatal Intensive Care Unit

The Neonatal Intensive Care Unit (NICU) is an annex ward of the obstetrics & gynaecology Department. In this ward sick, small for date or premature new-born babies are admitted. Due to inadequate resources, skilled personnel and challenges in dealing with the vulnerable babies the mortality rate

NICU	2020
Babies admitted	477
Number of deaths	60
Mortality rate	13%
Bed occupancy	92%

in 2020 increased by 1.7% compared to 2019 main reasons being birth asphyxia, congenital malformation and complications of prematurity. Other contributing factor is inadequate antenatal care services provided at the facilities they attended.

To improve and mitigate some of these challenges the unit is attached to labour ward, adhere to new protocol for treatment of these babies, introduced outreach supervision services to neighbouring health facilities which are; Nyangamala health centre, Rondo chiponda health centre, pangaboy health centre and seven dispensaries of Nyengedi, Linoha, Madingo, Chiuta, Ngara, Ntene and Mkanga 2 within Mtama district council with the aim of improving quality of perinatal care in surrounding health care centres and dispensaries where most of the referral are brought to our hospital.

Should there be funding, the unit will continue with outreach services program to other facilities which were not reached for the training and capacitation of health care workers dealing with antenatal care and obstetric emergencies.

There is now Maternal and Perinatal Death Surveillance Response (MPDSR) team which regularly meet to discuss and evaluates causes of maternal and perinatal deaths and morbidities and take appropriate interventions to prevent recurrence.



6.3.2 Labour ward

The labour ward recorded 2321 deliveries in the year 2020, compared to 2405 the year 2019. Of these deliveries, 88% of deliveries were by normal delivery while only 22% were born by caesarean section. Total maternal death was 6 in 2020 compared to 5 in 2019 main causes being hypertensive disorders, post-partum haemorrhage, anaemia in pregnancy, ruptured uterus and anaesthetic complications which were as a result of inadequate number of skilled personnel, delayed referral from other facilities, poor antenatal care, inadequate knowledge on managing emergencies.

Initiative to reduce maternal deaths included; renovation of labour ward, continuous on job training, recruit gynaecologist in order to improve care of pregnant mothers and newborn babies.

The unit is keen to improve knowledge and skills of its health care providers through experience sharing with centres showing best practices within and outside our country. Also, aims to capacitate doctors and

midwives to engage in search for solutions through researches based on prevailing challenges facing maternal and newborn health in order to improve quality of care.



6.4 Surgical Department

In 2020 the total number of operated patients was 1,827 compared to 1,789 in 2019 which were major operations. The total number of minor theatre procedures reached 1689. The difference between number of operated patients and number of major operations results from some multiple procedures on one patient.

Among hospitals in Lindi and Mtwara regions the hospital offers most of specialized operations in areas of general surgery, orthopaedics, urology, complicated abdominal trauma, paediatric surgeries, ENT and is practically acting as a referral hospital for the above mentioned specializations.

Top most common Surgical Procedures done in 2020

S/N	Type of Operation	Quantity
1	ORIF	210
2	External Fixation	82
3	Surgical debridment	78
4	ENT procedures	50
5	Caesarean Sections	518
6	TAH and SUB	134
7	Hernias	178
8	Laparotomy	146
9	Amputations	46
10	Lipoma & tumours excisions	82

Other Procedures done by OT Surgeons.

1. Ackle reconstruction 10
2. Borne cement 1
3. Nail removal 30
4. Prostatectomy 22

Other General Surgical Procedures:

1. Open Prostatectomy 22
2. Lumpectomy 20
3. Thyroidectomy 14
4. Modified Breast mastectomy 14
5. Hydrocelectomy 43
6. Ocaidectomy 15
7. Fistulectomy 13
8. TVH 8
9. Polipectomy 8
10. Apendeectomy 6

The support of Polish Medical Mission Aid made it possible to offer two months practice in Surgical department for doctors from neighbouring hospitals in Lindi and Mtwara regions. Also, the hospital was able to organise a one-day Workshop on "general surgery, ENT and orthopaedic Intervention problems in daily work", which took place in October 2020. The participating doctors came from hospitals from Lindi and Mtwara regions.

Cooperation with Muhimbili Orthopaedic Institute whereby surgeons from MOI came for a two weeks period to treat patients and capacitate local doctors in orthopaedic conditions and their respective management, continued in 2020. This partnership facilitates the availability of sign-nails for orthopaedic procedures. This was a big relief to patients who mostly cannot afford to go to Dar es Salaam for treatment of orthopaedic surgeries. Total of 310 Orthopaedic operations were conducted by 22 Surgeons from MOI.

The number of traumatic cases treated in Nyangao hospital is still increasing. Around 50% of total admissions in surgical department are traumatic cases. Most of the patients are victims of traffic accidents, caused motorcycles, falling from coconut trees and crocodile bite. Around 60% of them have fractures, mainly lower extremities, many of them complicated open fractures.

Due to reliability of specialist and equipment a lot of patients preferred to be referred to Nyangao Hospital.

6.4.1 Anaesthesia unit

The Germany consultant Dr. Daniela Kietzmann, anaesthetist working in Sweden who regularly visit the hospital has continued to capacitate the anaesthesia staff and support improvement of the unit by building capacity and provision of equipments.

The anaesthesia unit faced significant staff shortage in 2020. The unit has been capacitating other nurses to have basic skills in anaesthesia services in to minimize the deficit. Currently there are 4 skilled staffs. For effective service delivery, the unit requires to have at least 8 anaesthetists a short by 4.

The unit continues to provide safe anaesthesia services to patients before, during and after operations and support ICU, NICU, labour and other emergency services.



Type of anesthesia	Major Theatre	Minor Theatre	Delivery Room	Total
Spinal	1009	Nil	nil	1009
Short G.A	684	142	57	883
Gen. with intubation	427	10	0	437
Local	26	144	34	204
Gen. with LMA	20	Nil	nil	20
Total	2166	296	91	2553

7. Supporting Departments:

7.1 Laboratory:

The laboratory is recognised as public regional referral hospital of level II having 6 sections of Serology, microbiology, clinical chemistry, blood transfusion, parasitology, haematology and phlebotomy.

The unit is composed of eight (8) qualified staffs; 3 Laboratory Technologists, 5 Assistant Laboratory Technologists, 1 Medical Attendant and 2 supportive Staff. The laboratory is equipped with basic and standard medical laboratory equipment and ensure that the results released are reliable and accurate.

The laboratory implements and maintains quality managements system and enrolled to accreditation process in 9 scopes for MRDT, HIV, HBsAg, HCV, Malaria microscopy, Gene-expert, sputum microscopy, Blood Group-ABO, Cross-match by 2021. Currents the laboratory has attained and maintained 4 stars since December 2019 after being assessed by African laboratory society of medical laboratory (ASLM).

The main laboratory has standard machines like:

- Erba XL 180 chemistry analyser.
- DF 52 Auto haematology analyser
- Ichroma II hormone analyser
- Gene Xpert machine
- ST200 CC Electrolyte analyser
- Urine chemisty Analyzer
- Facs presto CD4 analyzer
- Haemo control analyser

A total of 58075 investigations and tests were performed in 2020.

Laboratory - Investigations	2019	2020
Haematology	22374	18224
Parasitology	11402	7167
Parasitology MRDT	21853	14768
Serology	4952	4939
Chemistry - Blood & Serology	3397	6270
Blood transfusion	4810	5353
Bacteriology	966	1354
Microbiology		1354
Total	74526	58075



7.2 Pharmacy:

Hospital patients are served through five Pharmacy units: Main Pharmacy, Emergency Pharmacy, CTC Pharmacy and Raphael Pharmacy. These units are managed by Pharmaceutical Technician supported by 8 pharmacy attendants for supporting in dispense medicines and medical supplies to patients on a daily basis. The emergency pharmacy is open for 24 hours, seven days a week.

The unit continues to conduct pharmaceutical trainings in collaboration with SoLME support facilitated by experienced Pharmacist who was previously the director of action medeor in Tanzania Mr. Fritz Staunhausen.

The overall availability of medicines and medical supplies were 70% while that of tracer medicine was 95%. Vertical programs medicines and medical supplies were available throughout the year. These included; ARVs, TB/Leprosy and Antimalarials.

Pharmacy - Top Ten Drugs 2020	
1	Paracetamol tablets 500mg
2	Amoxicillin capsules 250mg
3	Nifedipine 20mg/Amlodipine 10mg
4	Captopril 25mg/Losartan 50mg
5	Atenolol 50mg/Pregbalin 75mg
6	Diclofenac 50mg/Aceclofenac 100mg
7	Cotrimoxazole 480mg
8	Bendroflumethiazide 5mg
9	Ampicillin injection 500mg/Ceftriaxone Inj 1 g
10	Doxycycline 100mg/Metronidazole 200mg



Government support of medical supplies being delivered to the hospital.



District Medical Officer (Dr. Dismas Masulubu) conducting support supervision at the hospital pharmacy.

7.3 Technical Unit

The main role of the unit is to ensure planned preventive maintenance at the hospital is maintained, infrastructures are regularly repaired and renovated. During the year the department continue to experience regular water pipes and water tank leakages due to decay. The plan is to have major rehabilitation of the water infrastructures and back up water pump and ensure stable power back up.

Major activities/ tasks performed were:

- Maintenance of x- ray machine
- Repair of Generator
- Installation of Air conditions in the lab
- Follow of clearing of the ICT and electrical equipment donated by Artemed from Germany.
- Supervising the building of new hostel for interns Doctors.
- Renovation and repair of water and sewage infrastructures.
- Supervising construction of Nursing School House.
- Renovation of Incinerator smoke chamber.



Construction of power back up Batteries Room.



Maintenance team repairing water systems



The late Hospital Matron Winfrida Liundi (R.I.P) with nurses and Technical team fixing 15 donated hospital beds from Artemed.

7.3.1 Buildings



New constructed Intern Doctors hostel named St. Martin de Pores Hostel

7.3.3 Electricity:

The hospital has two old backup generators one of the generators is completely unrepairable. In 2021 we expect to implement the project for stabilization electricity at the hospital with collaboration with our reputable partners Artemed Stiftung and Schwartz foundation Germany.

The very old two generators continue to have technical breakdown and one is completely not working. The regular Power cut creates a lot of challenges with service interruptions.

7.4. Hospital Garden and Environmental up keep:

In order to save the poor patients and address malnutrition the hospital established a garden to support those in need and also for income generation.



Hospital garden with flourishing pawpaw, bananas, orange and various vegetables.



Fr. Angelus Chitanda holding a cane with Artemed Stiftung senior officials led by Dr. Veronica Hoffman showing strong cooperation by planting mango and passion fruits at the hospital.

7.5. Hospital Management Information system (HMIS)

The hospital is striving to acquire the health management information systems which will enhance the proper resource utilization, reduce Turn Around Time for patients. The connection of reliable internet services by Tanzania Telecommunication company Ltd through National Fibre Network was done, supported by the Government for health information networking i.e. DHIS 2.

Installation of health management system was not accomplished in 2020 due to Covid-19 pandemic. Either, materials for LAN and ICT equipment's were bought and delivered to the hospital by Artemed Stiftung. We expect the implementation to be done in 2021.

The hospital continues to improve records keeping, quality of data (documentation) by introducing patient personal files for confidentiality and quick retrieval of patient information. The hospital is linked to Tanzania Health Management Information System - DHIS2.

7.6. Radiology Department:

The radiology department is organized by two radiographers, a total of 5452 X-ray investigations were done in 2020 compared to 6635 in 2019. The unit is currently using the digital X-ray processing system. The Tanzania Atomic Energy Regulatory conducts regular assessments to ensure the unit is complying with radiation standards. The current x-ray machine has been having frequent technical problems, creating service interruptions. Thanks to our benefactor Artemed Stiftung who supported the obtainability of new x-ray machine and C-ARM x-ray machine by 2021.

7.7. Pastoral and Social Welfare

The unit was strengthened with an important role in identifying the poor patients who deserve to get free medical services. The hospital chaplain also attends both patients and staff complain.

In 2020 the new Chaplin enhanced the renovation of the hospital chapel which is being used by staff and patients supported by MBS.

The number of patients complains were reduced significantly only 7 complaints were registered. Patients and health care workers relationship has been enhanced such that patients trust and confidence has been improved also the number of staff attending morning prayers has increased significantly towards living and practising the hospital core values.

Pastoral/Social worker and complain figures 2020				
Complains received				
From staff	From outpatients	From inpatients	Total complains	Solved complains
3	3	1	7	6

Most of the complaints are related to customer care related, and were addressed and feedback was given.



Rev. Bishop Bruno Ngonyani of the Catholic Diocese of Lindi who is the owner of the hospital visiting and seeing the patients.

The Hospital Chaplain Fr. Kennedy Mwakio attending the patients who are admitted.



Left. Fr. Angelus Chitanda, Vicar General and hospital board chairman, Middle is Ms. Margoratz, PMM coordinator from Poland visiting and seeing the patient. **Right.** hospital board meeting in progress.



Right>Ndanda hospital management led by Dr. Jessaya at Nyangao for strengthening collaboration in health care services delivery.

Left>Stakeholder's meeting held at the hospital for community feedback on hospital services delivery and joint efforts for improvement.

8. Sr. Thekla's Nursing School

Sr. Dr. Thekla Nyangao Nursing School

In 2020 we had 76 students as follows:-

CLASS	MALES	FEMALES	TOTAL
1st YEARS	12	9	21
2ND YEARS	20	21	41
3RD YEARS	1	3	4
• Ordinary Diploma			
• Upgrading Diploma	6	4	10
TOTAL	39	37	76

STAFF

Academic staff – Full time Tutors 8, Part Time Tutors 9, Supporting Staff 8.

Theoretical Session: Facilitated in class as scheduled. Clinical rotation: Students provided nursing care to patients at St. Walburg's Nyangao Hospital and gained practical experience in the care of patients.

Field Work: As the 2nd years were only 4, the field work practice was done at one village – Mtua in Lindi District Council. This was done from 04.07.2020 to 18.07.2020. Supervision of students during field work was done by teachers and In-charge of the Facility.

Clinical rotation at Ligula Psychiatric Unit Mtwara:

3rd years Students went to Mtwara, Ligula Psychiatric Unit for clinical rotation. This rotation was for 2 weeks from 18.07.2020 to 01.08.2020. The aim of the clinical rotation was to assist the students gain experience in caring patients with mental disorders. Supervision of the students was done by the Incharge of the Unit and Teachers from the school.

Semester Examinations: These were conducted as scheduled according to NACTE ALMANAC following regulation of Supervisory Authorities. The examination results were very good.

In recruiting students in September 2020, we enrolled 21 first year students and 10 students for Upgrading Course. This achievement was great and we hope that we would continue to recruit more students in future.

Renovation: Through the aid of Mnero Solidarity some areas of the school infrastructure were renovated. We express our sincere gratitude to Solmne Mnero for this help.



Third year diploma students in Nursing and midwifery in the campus.



Principal of Nursing School Ms. Germane Nkane (in black blouse) with first year Diploma students.

9. Remarkable events during the Year 2020.

1. The hospital updated its website which is now <https://www.nyangaohospital.or.tz>
2. Physical verification, condition assessment, coding and valuation of hospital assets and establishing fixed assets register.
3. Training of a physician supported by Artemed Stiftung. One medical Doctor was sponsored to attend three years Master's Degree in Internal Medicine at Muhimbili University of Allien Science , 2020-2023
4. The Government through Tanzania Telecommunication Company Ltd installed a reliable Internet facility through the National Fiber Network.
5. Extension and continuation of memorandum of understanding between Muhimbili Orthopedic Institute Dar es Salaam and St.Walburg's Hospital Nyangao to continue providing specialized orthopedic services for population of Lindi and Mtwara and capacitate local doctors on orthopedic procedures.
6. Requesting and receiving Intern Doctors. For the first time the hospital started to have intern's doctors allocated by the Government for their one-year practice training. This has been a great relief to the hospital in solving the challenges of having skilled human resources for proper patient care.
7. In collaboration with District Medical Officer the hospital-initiated outreach services by sending specialists Doctors to outreach for the purpose of supporting the Government efforts in health promotion, prevention and experience sharing.

List of Abbreviations

AIDS	Acquired Immune Deficiency Syndrome
AMO	Assistant Medical Officer
ADO	Assistant Dental Officer
ALOS	Average Length of Stay
ANO	Assistant Nursing Officer
ART	Antiretroviral Therapy
ARV	Antiretroviral drugs
CDH	Council Designated Hospital
CO	Clinical Officer
CA	Clinical Assistant
CTC	Care & Treatment Centre
DC	District Commissioner
DED	District Executive Director
DMO	District Medical Officer
DHIS2	District Health Information System
FBH	Faith Based Hospital
GIZ	German Development Agency
Gyn/Obst	Gynaecology & Obstetric
HIV	Human Immunodeficiency Virus
HGB	Hospital Government Board
HMT	Hospital Management Team
KFW	German Development Bank
NACTE	National Council of Technical Education
OSB	The Order of St. Benedict
PICT	Provider Initiated counselling and testing
PMTCT	Prevention of Mother-to-Child Transmission
RAS	Regional Administrative Secretary
RMO	Regional Medical Officer
RC	Roman Catholic
RCH	Reproductive and Child Health
TB	Tuberculosis
TZS	Tanzania Shilling
VCT	Voluntary Counselling & Treatment
CSSC	Christian Social Services Commission
VIA	Visual Inspection with Acetic Acid



Patients at OPD being attended.



Sr. Raphaela Haendler, OSB meets with specialists in her visit at the hospital (Gynecologist-Dr Kasoga, Physician/Cardiologist-Dr Mambo, and ENT Surgeon-Dr Emmerenceana)

Acknowledgement

We thank God who blessed and guided us each day of 2020 with an opportunity and privilege to serve patients and those in need. We implore him to continue to be with us and to bless the countless number of people, organizations, friends and individuals who helped us in different ways throughout the year. May the Lord touch their hearts to continue with their courageous and commitment towards mutual cooperation and support to this hospital.

On behalf of the entire hospital staff, we the members of the Hospital Management Team (HMT) would like to thank all the benefactors of St. Walburg's Hospital Nyangao in Tanzania and Abroad. Their help is of great importance to our hospital in order to be able to continue providing quality health services to all our patients and clients in this part of rural areas where most of the community are vulnerable.

Our thanks go to the Bishop of the Diocese of Lindi, Rt. Rev. Bruno Ngonyani, Vicar General, Rev. Fr. Angelus Chitanda, to treasurer Fr. George Mwiru, to Diocesan Health Secretary Mr. Theophile Mrope and the entire staff of the Diocese. Special thanks go to all members of the Governing Board of St. Walbur's Hospital Nyangao.

The Government of United Republic of Tanzania through the Ministry of Health Social Welfare Gender, Elderly and Children, the Regional and District Medical Officers of Lindi, Tanzania Episcopal Conference, the Christian Social Services Commission (CSSC), Dar es Salaam.

Missionary Benedictine Sisters of Tutzing through Sr. Raphaela Haendler OSB, the Procure of the Missionary Benedictine Sister of Tutzing, Germany, and dedicated Friends of Nyangao in Germany for their tireless support, counselling and guidance.

Our sincere appreciation to our potential partners Artemed Stiftung for their significant support and commitment to support quality of services

delivery at the hospital hospital.

SES in Germany for technical experts to capacitate the hospital on medical skills.

Polish Medical Mission, for infrastructures and quality of health care improvement

Muhimbili Orthopedic Institute for Orthopedic services with improving surgical skills and orthopedic surgeries in Lindi and Mtwara regions.

Last but not least the entire hospital staff for their dedicated work and the patients and community at large for their trust for this hospital.

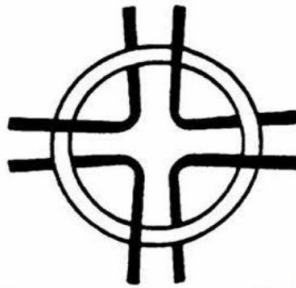
A handwritten signature in blue ink, appearing to read 'Masanja Kasoga'.

**Dr. Masanja Kasoga,
Obstetrician and Gynecologist
Medical Officer in Charge**

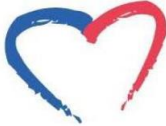
A handwritten signature in blue ink, appearing to read 'Charles Laiser'.

**Charles Laiser
Hospital Administrator**

We thank the major donors and partners for their continuing support of
St. Walburg's Hospital Nyangao



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Friends of Nyangao, the Netherlands





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