



AMURT FOUNDATION 2015



**EBONYI STATE, NIGERIA - PRIMARY HEALTH CARE,
MATERNAL HEALTH & WATER PROJECTS**

AMURT OVERVIEW

AMURT's mission is to help improve the quality of life for the poor and disadvantaged people of the world, and those affected by calamity and conflict. We encourage and enable individuals and communities to harness their own resources for securing the basic necessities of life and for gaining greater economic, social and spiritual fulfilment, while honouring their customs, language, and religious beliefs.

AMURT (Ananda Marga Universal Relief Team) is one of the few private international voluntary organizations founded in India. Since its inception in 1965 its original objective was to help meet the needs of the affected population after disasters that regularly hit the Indian sub-continent. Over the years AMURT has established teams in thirty-four countries, to create a network that can meet disaster and development needs almost anywhere in the world.

BOARD OF TRUSTEES

Chairman	Barrister Florence Okpaleke
Secretary	Barrister Daniel Gyang
Finance Sec	Seyi Eniayewu
Member	Dada Daneshanda Tor Bjoernsen

ABAKALIKI KEY STAFF

Director	Dada Daneshananda Tor Bjoernsen
Medical Director	Dr. Agu Martins
Office Manager	Ndidi Okpani
WASH Manager	Peter Chukwu Elem
M&E Manager	Ogbonna Agah
Construction/Procurement	Paul Haligah
Health Education	Chinwendu Anago-Amanze
Program Officer	Ibiam Iro Oji
Lab Scientist	Daniel Ejiofor
Head Driver	Nnachi Nkaa Johnson



Akparata children

PROGRAM GOAL

To reduce maternal and newborn mortality in Ebonyi State.

SUSTAINABILITY GOAL

To create a sustainable and replicable model for meeting the primary healthcare needs of rural communities through a partnership involving the communities, grassroots organizations, private sector and government.



Odeligbo mother

AMURT EBONYI TIMELINE

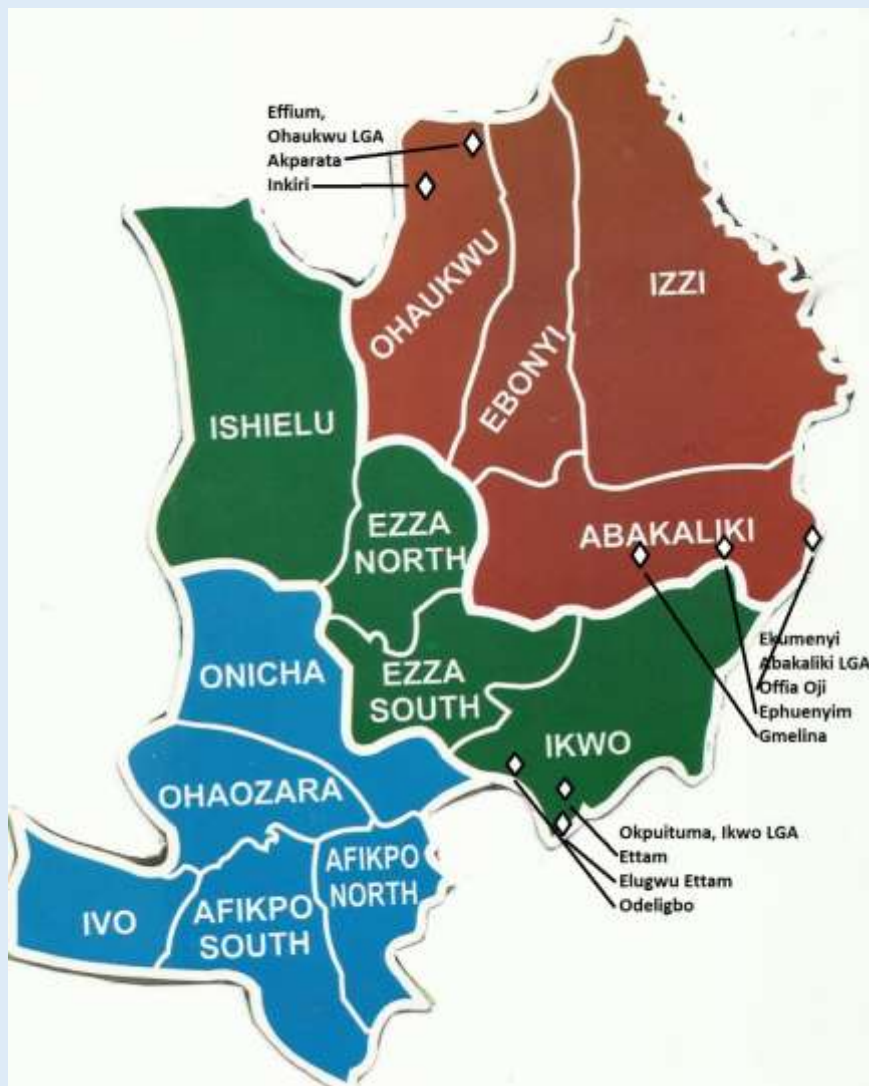
2010	AMURT starts work in Nigeria and chooses Ebonyi State as first project area. Three health centers opened in Abakaliki Local Government Area.
2011	AMURT Water & Sanitation Program starts in Abakaliki LGA. First staff quarters and borehole for clinic constructed. First doctor hired by AMURT.
2012	AMURT signs Memorandum of Understanding with Ebonyi State Government and opens 2 health centers in Ikwo. First ambulance deployed in Offia Oji Health Center.
2013	Partnership strengthened by increase in government. employment of health workers. New staff quarters and boreholes for health centers.
2014	Free Delivery Program starts. AMURT starts work in Ohaukwu with boreholes. Maternal Health Promoters created.
2015	Akparata Health Center opens. AMURT responds to cholera outbreaks.



STRATEGIC COMPONENTS

PARTNERSHIPS	Community, government, private sector, local organizations
New health centers	Criteria: underserved areas, community felt need, community commitment, government commitment.
Outreach	Maternal health promoters. Pregnant women support groups. Home visits. Health education.
Training of health workers	Pregnancy care. Delivery. Home visits. Newborn care,. Laboratory skills. Scholarships for further education.
Monitoring	Database of all pregnant women. Monitoring of all high risk pregnancies. Enumeration of all women 15-49. Home visits.
Emergency referral	24 hour village based ambulance service. Emergency medical fund.
Upgrade of facilities and equipment	Staff quarters. Mechanical boreholes. Ultrasound. Oxygen. Laboratory.
Community ownership and management	Community participation in construction. Drug revolving fund. Training of management committees. Self-sufficiency for operating expenses. Savings for maintenance and expansion.
Government participation	Government employ staff. Government monitoring and supervision. State health programs implemented
Water and Sanitation	Drilling boreholes. WASHCOMS training. Tippy Tap. Pit Latrines. Follow up. Cholera response.

PROJECT AREAS and HEALTH CENTERS



For each health center AMURT defines a 'project area' of about 20 surrounding villages for outreach, monitoring and health education activities

LOCAL GOVT.	HEALTH CENTER	OPENED
Abakaliki	Gmelina	Sep 2010
	Offia Oji	Nov 2010
	Ephuenyim	Nov 2010
Ikwo	Elugwu Ettam	Feb 2012
	Odeligbo	Jun 2012
	(Ettam)	Doctor visit since 2012
Ohaukwu	Akparata	Apr 2015
	Inikiri	Under construction

ANTE-NATAL CARE



Offia Oji ante-natal day

The increase of 68.5 % in ante-natal care attendance in 2015 is a proof of increased confidence in the health center. Credit goes to the dedicated health workers, the maternal health promoters and the outreach work. The international standards for comprehensive ante-natal care are met in the health centers: doctors examination, ultrasound, and routine testing for (HIV, malaria, urinalysis, STD, hepatitis.) Routine drugs, preventive treatment for malaria and mosquito nets are made available to all the women.

HEALTH CENTER	2015 ANC BOOKINGS
Odeligbo	1003
Elugwu Ettam	239
Offia Oji	861
Ephuenyim	864
Gmelina	270
Akparata	557
TOTAL 2015	3794



Offia Oji ante-natal day

MONITORING HIGH RISK PREGNANCIES

During health center ante-natal days, the doctor collects the obstetric history of the mother, listens to her concerns and examines her carefully. Ultrasound scan and lab tests are conducted on the spot. When a woman is found to be at risk, she will be regularly monitored by health workers. AMURT maintains a database of all the women who attend ante-natal check-ups, and give birth in the health centers, including those who attend pregnant women support group meetings in the villages. With the assistance of the maternal health promoters and health workers, AMURT monitors the high risk pregnancies. Thirty five of the 182 women that were monitored were referred with assistance from AMURT. Others were managed safely by doctors in the health center.

HEALTH CENTER	PREGNANT WOMEN AT HIGH RISK MONITORED
Odeligbo	60
Elugwu Ettam	27
Offia Oji	36
Ephuenyim	25
Gmelina	13
Akparata	21
TOTAL 2015	182



Offia Oji twins

Patricia suffered severe bleeding after giving birth to her 10th child at Offia Oji Health Center. She was put in anti-shock garment and rushed by ambulance to Federal Teaching Hospital in Abakaliki, where she was transfused with four pints of blood. All women with over seven children are at high risk for post partum hemorrhage and are placed on the high risk list for monitoring.



Patrician Nwalim, Enyadulogo

DELIVERIES



Odeligbo mother & newborn twins. We 36 twin births in 2015

HEALTH CENTER	TOTAL DELIVERIES	FREE DELIVERIES	HEALTH CENTER BIRTHS % / HOME BIRTHS %
Odeligbo	500	292	77 %/23 %
Elugwu Ettam	130	98	76 %/23 %
Offia Oji	551	519	84 %/16 %
Ephuenyim	386	333	76 %/24 %
Gmelina	94	66	51 %/49 %
Akparata	120	99	47 %/53%
At referral facility	79		
TOTAL 2015	1860	1407	

The number of deliveries in the AMURT assisted health centers increased by 77.2 % in 2015. Women from villages within the project areas served by maternal health promoters and outreach programs enjoyed free delivery. In Akparata and Gmelina free delivery started April. 940 women received ante-natal refund after giving birth in the health center. The criteria include regular attendance for ante-natal care and women's support group meetings. We intend to improve the quality of care through better qualified staff, continued training and the addition of better medical equipment and supplies. AMURT monitors home deliveries in the project areas to determine the coverage of the program. Offia Oji has the most impact with 84 % of all births taking place in the health center.

AMBULANCE SERVICE



Akparata ambulance



Gmelina ambulance

HEALTH CENTER	Emergency referrals	Obstetric	Non-obstetric
Odeligbo	43	30	13
Elugwu Ettam	29	16	13
Ettam	4	2	2
Offia Oji	63	23	40
Ephuenyim	19	9	10
Gmelina	9	5	4
Akparata	12	8	4
TOTAL 2015	179	93	86

In the rural areas, when medical emergencies occur, transport is very difficult to find. AMURT has four ambulances stationed in the rural health centers, with drivers standing by around the clock. A Toyota Landcruiser 4WD ambulance was acquired for Akparata Health Center with the help of Rotary International. A Nissan Urvan ambulance was donated for Gmelina Health Center by our main sponsors. All the ambulances are used exclusively for the transport of patients.

In 2015 the increase in ambulance referrals was 58 %. Of all the referrals, 52 % were related to childbirth. Out of 79 births in the referral centers, 38 were done by caesarean section, which amounts to only 2 % of total deliveries.

MORTALITY

MATERNAL DEATHS PROJECT AREA

YEAR	EKUMENYI	NDUFU IKWO	AKPARATA
2011	11	12	5
2012	3	3	4
2013	2	1	7
2014	2	1	2
2015	0	4	0



Chinasa from Offia Oji had emergency caesarean section following obstructed labour



Chinago from Odeligbo was premature weighed only 1 kg. After 2 weeks he was discharged

NEWBORN MORTALITY

HEALTH CENTER	Still Births	Within 7 days	After Referral	After C.S.	Total
Odeligbo	6	2	1	3	12
Elugwu Ettam	4	1	1	3	9
Offia Oji	5	0	2	0	7
Ephuenyim	13	3	3	1	20
Gmelina	2	1	2	0	5
Akparata	2	0	1	1	4
TOTAL	32	7	10	8	57

In 2015 we saw 4 maternal deaths from within the AMURT project areas and 2 more connected to the health centers from outside the project areas. AMURT also monitored home births and births in other health facilities. Maternal mortality rate is number of mothers who die from birth or pregnancy related causes per 100,000 live births. With this data we have a maternal mortality rate of 173 for the three project areas combined. This compares to 573, the Nigeria national maternal mortality rate as of the 2013 National Demographic Health Survey. AMURT did not monitor infant deaths at home. While there is clearly much work to do, we are heartened by the many lives, both mothers and babies saved at the health centers and following emergency referrals

EMERGENCY ASSISTANCE



Regina from Offia Oji in the center with her baby. Referred for TB in pregnancy and other complications

AMURT project areas are in the remote regions of Ebonyi State. The population is made up of mostly farmers with few financial resources. AMURT administers an emergency fund to help ensure that no mother and no baby will be at risk for lack of financial means. Obstetric and newborn cases provide most of the emergencies. In 2015, AMURT also assisted in child surgeries, prostheses, malnutrition, etc.

CATEGORY	AMOUNT
Obstetric	N 1,862,000
Babies and Children	N 1,120,000
Child surgery	N 395,000
Prostheses	N 672,000
Other	N 214,000
Christmas Widows	N 150,000
TOTAL 2015	N 4,413,000



Gmelina – baby Boniface. referred for severe jaundice. Spent three weeks in the intensive care unit

ASSISTANCE FOR SPECIAL NEEDS

"When my daughter was born with a big growth on her head, I did not know what to do. I was not happy. But now after AMURT arranged the surgery at UNTH Enugu, my family, me and the baby are all very happy. I pray that God will bless AMURT and the doctor for their efforts."



Lebechi before surgery



Baby Lebechi from Elugwu Ettam

"My daughter Sara would have died without the intervention at the health center. My two last babies were born free of charge at the Ephuenyim Health Center. After some weeks the condition of Chukwunoso, my last born, was very serious. It is only due to AMURT intervention that the child is alive. I am very happy that you have saved the lives of my children."



Janet Origbo and baby Chukwunasa from Ovuoba

"In August, I was pregnant. I got convulsions and they referred me to Mile 4 Hospital. I had cesarean section, but the baby died in the womb AMURT helped me in paying the bill at Mile 4 Hospital. Whenever I or my children are in need in medical service, we go to the Odeligbo Health Center. I am very satisfied with the service at the health center. Before whenever we have medical needs or the children are sick, there would be no place to go to. And that led me to lose three children. Now at any time we can come and get help. Without the health center, I don't know if I would be alive.""



Therese Onele from Odeligbo

"When I was sick I was praying to God to come and take me away. I wanted to die. I don't know how to start talking about what AMURT has done for me. I never thought that I would be able to walk again and to feed myself again. " Beatrice lost both feet and both hands to degenerative diseases. AMURT has assisted her with surgery and prostheses for both legs and one arm, and other assistance.



Beatrice Nweda, Enyebicheri

NEW HEALTH CENTERS



Akparata Health Center staff and AMURT staff on opening day

The new health center in Akparata, (Effium Community), Ohaukwu LGA opened on 1st April 2015. The community took the lead in the construction of the facility which also include staff quarters and mechanized borehole. As the closest health center is 12 km away at Okporo, Effium, the patronage has been good with 2026 patients, 557 ante-natal care bookings and 120 deliveries in nine months of operation. AMURT signed a Memorandum of Understanding with Inikiri, 6 km from Akparata, to open another health center. The construction has reached roofing level.



Akparata Health Center and Staff Quarters



Inikiri health center under construction

MATERNAL HEALTH PROMOTERS

As part of AMURT's conditions for the free delivery program, the women in each village have to elect a maternal health promoter from amongst themselves. They conduct monthly pregnant women support group meetings and work closely with health workers from the health center. Their responsibilities include identifying pregnant women, educating and guiding expectant mothers, and monitoring pregnancies and deliveries. As community based volunteers, they ensure that the program is well anchored at the grassroots, and play a key role in promoting safe motherhood in communities. The maternal health promoters are well placed to support any village based health campaign or initiative.



Odeligbo Maternal Health Promoters



Akparata Maternal Health Promoters



Inikiri Maternal Health Promoters

HEALTH CENTER	MATERNAL HEALTH PROMOTERS
Odeligbo	22
Elugwu Ettam	16
Offia Oji	22
Ephuenyim	20
Gmelina	15
Akparata	22
Inikiri	20
TOTAL 2015	137

TRAINEES & SCHOLARSHIPS



Odeligbo & Elugwu Ettam Trainees



AMURT Scholarship Students – School of Health



Offia Oji training of health workers

HEALTH CENTER	3 year training completed 2015	Trainees 2016	WAEC (Secondary School Diploma) 2015	School of Health Scholarship 2015/16
Odeligbo	2	3	1	1
Elugwu Ettam	1	2	1	1
Offia Oji	4	7	2	1
Ephuenyim	5	3	2	
Gmelina	2	1	1	
Akparata		3		
TOTAL 2015	14	19	7	3

Since the outset, AMURT, in cooperation with government, has recruited health workers from the local project areas to help ensure 24 hour service. In our experience, the local staff has been reliable in being at their post and in doing their best for their own people. AMURT offers a scholarship program that gives opportunities for the most talented and committed of these community volunteers to become certificated health workers. Through employment and support for further education, AMURT has given dozens of young women opportunities for a brighter future. Capacity building for community based volunteers is a key factor for increased self reliance of primary health care in the rural areas.

COMMUNITIES IN PRIMARY HEALTH



Elugwu Ettam community meeting



Inikiri signing MOU



Odeligbo Management committee training

As outlined in the MOU with the Ebonyi State government, the AMURT model closely resembles Nigeria's Ward Health System. The community owns the health centres and is in charge of the management. All the health facilities have been located and constructed with significant contribution of labour and materials from the local communities. As a result, the community feels a strong sense of ownership of the health centres. Each of the health centres has a management committee elected from the local community. With a modest mark up on drugs, they are able to restock all drugs and supplies and pay for operating expenses such as fuel, cleaners, and maintenance. They also save funds for repairs, improvements and expansion of the health centres. Each of the health centres has been able to build up savings for long term sustainability. AMURT is responsible for capacity building, support and monitoring of the health centre management committees.

The community becomes the leading partner, as government, the NGO, and private sector play their part. The level of self-reliance at the health facility level contributes to the sustainability of this model.

HEALTH CENTER STAFF

Health Centre Staff Category	Offia Oji	Ephuenyim	Gmelina	Odeligbo	Elugwu Ettam	Akparata	Total
Government – permanent workers	1	3	4	3	3	1	15
Government – temporary workers	3	3	3	5	5	5	24
Auxiliary staff – trained	6	6	4	4	2	3	25
Nurse trainees	7	3	1	3	2	3	19
Cleaners	4	1	1	3	2	1	12
Security	1		2				3
Ambulance drivers	1		1		1	1	4
TOTAL	23	16	18		15	14	102



Odeligbo health workers



Elugwu Ettam health workers



Ephuenyim health workers



Odeligbo care for child

BOREHOLES FOR SAFE WATER



Agugwu new borehole

In 2015 AMURT drilled 16 villages boreholes and 2 health center boreholes. Another 4 boreholes were drilled in Abia State. All the villages paid 5 % as a local counterpart. Priority was given to remote villages without any source of safe water. With the increase in cholera outbreaks in Ebonyi State in 2015 the importance of the Water, Sanitation and Hygiene programs (WASH) became clear to all the partners.

BOREHOLES DRILLED 2011 - 2015

Local Govt Area	Village Boreholes	Clinic Boreholes	Total
Abakaliki	38	3	41
Ohaukwu	24	2	26
Ikwo		2	2
Total	62	7	69



Ajenua new borehole

WASHCOM TRAINING



Eguenyi 1 installation



Otoebu WASHCOM training

After the assessment and identification of villages for the WASH program, AMURT conducts a one day sensitization program for the whole community. On this day the villagers will elect 12 men and women to be their WASHCOM (Water, Sanitation & Hygiene Committee). They also identify the exact preferred location for the drilling of the borehole. The WASHCOM training covers maintenance and repair of boreholes, and each village gets a toolbox with all tools necessary to repair their borehole. The training also covers protection of water sources, hygiene and sanitation, and critical health issues like family planning, female genital mutilation and Lassa Fever.

LGA	WASHCOMs trained 2011-2015
Abakaliki	43
Ohaukwu	24
Total	67

CHOLERA INTERVENTION



Otoebu new borehole



Elugwu Ettam cholera intervention

In January, Elugwu Ettam community suffered an outbreak of cholera. AMURT intervened. We treated 20 patients with severe cholera and many more with oral rehydration. Only one life was lost. We supplied Waterguard (chlorin to disinfect community water supply) and did health education to increase awareness of the causes and symptoms of cholera and how to prevent future outbreaks . Based on a request from the Ebonyi State Ministry of Health, AMURT prioritized cholera affected areas. Boreholes were drilled and WASHCOMs trained at the villages of Otoebu and Ndeagu Umuokoro in Ngbo community, and Elubu, Effium, all Ohaukwu Local Government area. AMURT intends to assist more cholera affected areas in 2016.

ECONOMIC EMPOWERMENT



Odeligbo Ifunanya (I Love) group



Bridget, a young widow from Offia Oji is doing rice processing

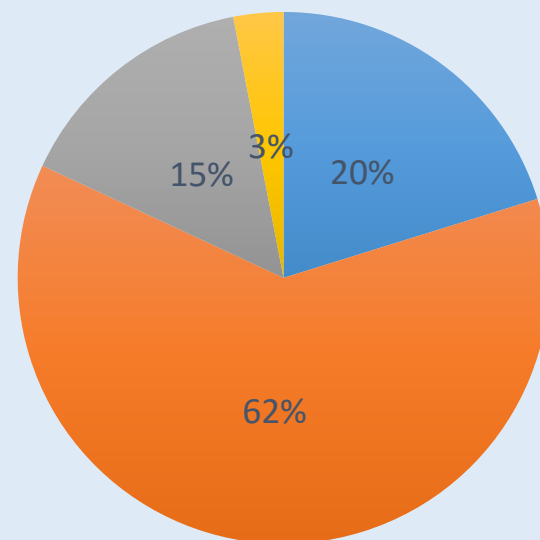
Through the health centers, AMURT encounters women who are the sole breadwinners in their families. Many are widows. Others have disabled husbands. Local traditions continue to place widows at a strong disadvantage. In the economic empowerment program indigent women come together in a cooperative setting to manage a revolving credit scheme. They make available interest free loans to the women, who in turn, after two months, start paying back 10 % monthly. After one year the loan is fully paid back. Each month another woman is empowered by the group. AMURT provides training in business planning and book keeping. AMURT intends to expand this program in 2016.

HEALTH CENTER	Members	Empowered
Odeligbo	15	12
Ephuenyim	12	8
Others		4
Total		24

OUR SPONSORS

DONOR	COUNTRY	PROGRAM
GMT-NIGERIA, LTD.	Lagos, Nigeria	Main sponsor
Hearts2Africa	Gutenberg, Sweden	Economic empowerment Emergency assistance Medical equipment
Rotary Club of Cupertino Rotary District 5340 Rotary International	California, USA	Ambulance
Voice of a Child	California, USA	Ambulance Medical equipment
AMURT Italy	Parma, Italy	Laboratory Emergency assistance Medical equipment Clinic boreholes
AMURT UK	London, UK	Water & Sanitation Medical equipment
AMURT USA	Maryland, USA	Technical support Emergency assistance
+ PRIVATE DONORS		

**AMURT
EXPENSES 2015**



- Administration
- Primary Healthcare
- Water & Sanitation
- Monitoring & Evaluation

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