



## **ABOUT KINNECT:**

Kindred Africa community Development Foundation (Kinnect) is a non-profit organization that promotes community engagement, volunteerism, and activism within communities. At Kinnect, our vision is a society where the concept of kinship transcends bloodlines, ethnicity, and race, and is inclusive of all humanity. To meet this goal, we provide a platform where people, ideas and resources can interact to address some of the social and environmental issues facing our society today – we call this Kinnecting.

## **ABOUT KINNECT’S IMPACT:**

In the past 5 years, Kinnect has served over 8,000 individuals in local communities across Lagos. Our Annual Food Kitchen which began in 2014 has provided food items, meals, books, toys, and clothes to 4,700 people with our focus on children and women in various impoverished communities in Lagos, Nigeria. It has involved collaboration with 5 local nonprofits in the communities we served. In January 2017, Kinnect partnered with the UNHCR and SAHEI to distribute food items to 692 individuals from 90 households in internally displaced person camp in Maiduguri Borno state in Northern Nigeria. Moreover, Kinnect has supported and awarded small grants to Kinnect volunteers with projects on education, gender rights, health, and disaster relief. These projects have reached more than 3,000 people in need. Through our health initiative and continuous partnership with NGOs and the corporate sector, our reach and impact is ongoing and continues to expand.

For this project, Kinnect will partner with Fruitful Vine Healthcare Initiative (FVHI) to support 125 malnourished children in Lagos, Nigeria.

## **ABOUT OUR PROJECT PARTNER:**

Fruitful Vine Healthcare Initiative (FVHI) is a Faith-based, non-partisan, non-profit free primary health care initiative based in Lagos Nigeria. Founded in 2018, FVHI was set up to meet the primary healthcare and nutrition needs of the most vulnerable population and impoverished communities who cannot access the qualitative primary health care coverage and to provide data based evidence through multi-disciplinary research.

With over 5500 patients in the Lagos Island east and west communities who regularly visit the Center at City Hall Onikan Lagos, FVHI has established itself as one of the leading health care providers along the Lagos Island axis.

Key services include:

- Maternal and child nutrition care
- The Clinic

- Advocacy
- Preventive care
- Antenatal care
- Laboratory services
- Continuing care and counseling services
- Referral and surgery support funding

In addressing the nutrition gap in the communities around Lagos Island, FVHI developed effective child nutrition programs that are tailored to need.

### CHILD NUTRITION:

Child nutrition care is an essential component of our community health care service. UNICEF in its reporting has shown that the first 1000 days of a child’s life is a unique period when foundations of optimum health, growth, and neurodevelopment across the lifespan is established.

#### **The Ready-to-use Therapeutic Food Program (RUTF program)**

We provide children under the age of five who suffer from severe and acute malnutrition with a steady two-month supply of “Ready-to-Use Therapeutic Food” also known as the RUTF. With a daily dose of 1000 calories of peanuts infused with nutrients, RUTF provides the severely malnourished child with high protein and a high energy meal which can be taken at home.



**A picture of the Ready-to-Use Therapeutic Food also known as RUTF**

#### **Milk and Pap Infused Program**

We also, provide a weekly supply of milk to malnourished children as well as fortified pap which is important for growing bones and teeth, and also rich in protein. The milk and fortified pap are sometimes used alongside the RUTF. At each community outreach, we ensure that we educate on nutrition care providing where necessary practical sessions of food demonstration where participants are asked to replicate the demonstration.

In nutrition care, the first step is to assess the nutrition status of the patient with the use of the MUAC tape (Mid-Upper Arm Circumference). The MUAC tape shows the degree of malnutrition.



**COSTS:**

A box of RUTF costs \$58 (N20,880 at 360 exchange rate). There are 150 packs in a box and used to treat a severely or an acutely malnourished child.

The cost for RUTF program is categorized into three:

**Severe Malnutrition:** Once the MUAC confirms that a child has severe malnourished, the child more often than not has to stabilize either in our clinic or a secondary facility.

Cost of stabilizing the child

ITEMS	QUANTITY	AMOUNT
Giving set	1	150
Dextrose saline	1	250
Vitamin b.co injection	1	150
Canulla	2	240
Ceftrazone Injection	1	400
5ml syringe	5	500
2ml syringe	5	500
Gloves	1	1000
Paracetamol syrup	1	180
Multivite syrup	1	200
Artemeter syrup	1	400
Allergin syrup	1	350
Folder		520
Card		200
Pampers	6	300
Total		N5340

**The total cost of the RUTF program per child (Severe Malnutrition)**

Stabilizing the child.....N5340  
 RUTF for severe malnutrition.....N16800  
 Special nursing care including home visits.....N25660  
**Total..... N47800**  
**@ 360: \$ 1..... \$132.8**  
**The total cost of treating a severely malnourished child ..... \$132.8**

**Acute Malnutrition:** A child is said to be acutely malnourished if the MUAC falls on yellow, such a child doesn't need stabilization, we immediately put the child on RUTF. The child is expected to have 120 sachets of RUTF for a full recovery.

**Total Cost of RUTF program per child for ACUTE Malnutrition**

RUTF for acute malnutrition .....N16800  
 Special nursing care and home visits.....N25660  
**Total .....N42460**



**@ 360: \$ 1.....\$118**

**MILK INFUSED FOOD PROGRAM FOR ONE CHILD FOR A WEEK:**

Milk infused food program for one child for a week is classified into three age brackets:

1. **0-6months old:** For a baby that is not breastfed, we provide SMA Gold at the rate of N3500. For a week, the baby is expected to take two tins of SMA Gold, which costs **N7000 weekly or N28000 monthly (\$20 weekly or \$78 monthly.)**
2. **6months-1 year:** At the stage, the baby is being introduced to semi-solid food which is to be taken with milk. The child takes a tin of SMA Gold weekly. We also introduce fortified pap.

**Cost of Fortified pap..... N500**  
**Cost of SMA Gold Milk..... N3200**  
**Total cost**  
**Pap and milk weekly.....N3700**  
**@ 360..... \$10. 57**

3. **1year to 3years old:** At this stage, the child eats more of solid food, but milk is still very important at this stage. We introduce the **Peak 123 alongside the fortified pap 30 sachets monthly @ N50 per sachets per**

**Total cost per child per month .....N1500**  
**@ 360: \$1.....\$4.2 per child monthly**

**HEALTHCARE COST OF A MALNOURISHED BABY FOR A MONTH (INCLUDING RUNNING ALL PRELIMINARY ROUTINE TEST)**

When a malnourished baby visits the clinic, at his first visit, the baby undergoes series of laboratory tests, after which the baby will be given antibiotics, and the intake of RUTF commences. For best results, we ensure that the baby eats both the RUTF and fortified pap. Fortified pap is composed of Guinea corn, Millet, Soya beans, and corn.

ITEMS	AMOUNT
FBC	1500
MALARIA PARASITE	1000
HIV	1500
HEPATITIS B	1500
HEPATITIS C	1500
SYPHILIS	1500
ANTIBIOTICS	1100
TRANSPORT	1600
SMA GOLD	27200
NURSING CARE	25660
<b>TOTAL/monthly</b>	<b>62,560 (\$173.8)</b>



**For a malnourished baby within 0-6months: the total healthcare cost is: N62560 per month or \$173.8 monthly. (RUTF is not given to children under six months old.)**

**For a baby within 6months-1year: The total healthcare cost for a malnourished baby INCLUSIVE PRELIMINARY LAB TEST)**

ITEMS	AMOUNT
FBC	1500
MALARIA PARASITE	1000
HIV	1500
HEPATITIS B	1500
HEPATISTIS C	1500
SYPHILIS	1500
ANTIBIOTICS	1100
RUTF	7840
FORTIFIED PAP	500
TRANSPORT HOME VISIT	1600
SMA GOLD	12,800
NURSING CARE	25660
<b>TOTAL/monthly</b>	<b>58006. OR \$161</b>

A child within 1year-3years for: The Total healthcare cost for a malnourished child is

ITEMS	AMOUNT
FBC	1500
MALARIA PARASITE	1000
HIV	1500
HEPATITIS B	1500
HEPATISTIS C	1500
SYPHILIS	1500
ANTIBIOTICS	1100
RUTF	7840
FORTIFIED PAP	500
TRANSPORT HOME VISIT	1600
PEAK 123	5600
NURSING CARE	25660
<b>TOTAL/ monthly</b>	<b>50800 or \$191</b>

**MEDICATION COST:**

Average cost per patient .....**N2919.6 OR \$7 approx.**

**COMMUNITY ADVOCACY AND NUTRITION EDUCATION EVENT COSTS:**

Community advocacy is the regular visit to the communities, this visit doesn't include home visits. It is an interactive engagement with the people in the communities. We also have trained community health extension workers who visit the communities four times a week.

The cost of community advocacy:



**Cost of transport per visit: N150.**  
**Total number of visits done in the month: 16**  
**Total Costs: 150x16=N2400 or \$7. Per month**

The cost of a nutrition education event is seen below:

ITEMS	AMOUNT
REFRESHMENT FOR PARTICIPANTS	150,000
CHAIRS	8000
BANNER	7000
PUBLIC ADDRESS SYSTEM	15000
FOOD DEMONSTRATION	12750
SETTLEMENT OF AREA BOYS	20000
CANOPY	7000
TABLES	1500
FLIERS	10000
SOUND SYSTEM AND GEN	15000
PROJECTOR	10000
MISC	6900
<b>TOTAL</b>	<b>263,950 or \$733</b>

The cost for an outreach varies due to the purpose of the outreach. We ensure that we promote what has been taught during the outreach which drives the type of gifts we will give to the participants for continuity at their various homes.

**SALARY OF NURSE X**

Mid Wife **N50,000 or \$139 per month**

**MILK INFUSED PROGRAM FOR UNDER-DEVELOPED**

We are concerned about the first 1000 days of a child’s life, as this is the unique period when the foundations of optimum health, growth and neuro-development across the lifespan are established.

From our records, we have about 700 children who are underweight but not malnourished. This is the reason for proposing a milk infused program for the children. At the end of the week, each child will go home with 7 sachets of Peak 123 milk. Our aim is to ensure that these children take milk daily as it will help them grow properly.

**The cost of milk for a child for a week is ..... N350**  
**The cost of 3 sachets weekly of RUTF as a booster.....N1392**  
**Total cost of milk/RUTF .....N1742 or \$ 5 per child per week.**

**The cost of milk/RUTF for 120 children ..... N209040. or \$ 580**

We will have an intensive follow-up to monitor the progress of each child. We intend starting with 20 children and we will encourage feedback from their parents on the progress of the child.

**The cost of milk/RUTF with 20 patients weekly .....N34840**

or \$97

**SUCCESS STORIES AND PICTURES:**

**BABY A**





This is a picture of Baby A. Baby A was 11 months when she came into the Clinic severely malnourished (Picture 1), she was referred to Onikan Health Centre where she was stabilized and sent back to our Clinic for further treatment. Picture 2 is Baby A after three weeks of RUTF.

Picture 3 is baby A after a month and two weeks of RUTF and SMA Gold. Picture 4 is baby A after the completion of the RUTF. The last picture shows how healthy she is after three months of completing the full course of RUTF.



**BABY B**



Baby B had acute malnutrition due to this she couldn't walk. Picture 1 is showing her being supported by her mother. Picture 2 is Baby B after two weeks of administering RUTF. From the picture, Baby B doesn't need full support to stand.

**BABY C**



Picture 3, Baby C is eating the RUTF. Picture 4, is Baby C on the weighing scale without any support, as she can now walk properly, and she is actively involved in her school activities.

**COMMUNITY OUTREACH:**

Community outreaches are based on the malnutrition issues we encounter with our patients in the Clinic. We organize community outreaches to educate mothers about child nutrition. These sessions are interactive and involves health talks from trained medical practitioners. Our food nutrition program also extends to Women as part of the antenatal and post-natal services in the aim to assist in building a community of well Mother and Child.

Below is a picture of the participants at our last community outreach for pregnant, expectant and nursing mothers.



This is a picture of a Nurse teaching them how to breastfeed a baby. Behind her is a PowerPoint showing a picture of a happy mother breastfeeding her child, and this was illustrated by the Nurse.