**Short Term Plan**
1. Acquire funding
2. Purchase supplements
3. Educate locals and distribute supplements
4. Set up local clinics
5. Train local assistants
6. Test for vitamin A deficiency
7. Observe patients as they take pills
8. Keep detailed records
9. Twice yearly dosage

**Cost:**
- 2 cents a pill, twice a year = 4 cents a year per person
- $1404/month for doctors

**Benefit:**
- Decrease childhood blindness
- Decrease infant mortality
- Decrease risk of growth retardation
- Improve function of immune and respiratory systems

**Present Situation**
- WHO identified that Nigeria has one of the highest risks for Vitamin A deficiency in the world
- 80,000 Nigerian children die due to Vitamin A deficiency annually
- Vitamin A deficiency can be linked to 34-69% of child blindness in Nigeria

**Need**
- Short term: Immediate treatment for vitamin A deficiency
- Long term: Sustainable local source of Vitamin A

**Approach**
- **Short term:** Modified DOTS distribution
- **Long term:** Introduce experimental crop in local plantations

**Long Term Plan**
1. Cultivate the plants in experimental plantations
2. Provide local farmers with the tree limbs
3. Pay subsidies to participating farmers
4. Farmers conduct business as usual

**Cassava**
- Grows in hot, dry climates
- Yellow-Fleshed cassava: very high in vitamin A
- Yellow cassava is resistant to diseases

**Moringa**
- Leaves contain 4 times the vitamin A of carrots
- Common and cheap in northern Nigeria
- Drought and disease resistant

**Cost:**
- Cost of construction of experimental plantations
- Cost to import the experimental plants
- 5 years of subsidies for farmers

**Benefit:**
- Save thousands of lives
- Help stimulate Nigeria’s economy
- Increase quality of life

**References**
- Doctors Without Borders: http://www.doctorswithoutborders.org/work/field/
- Wrongdiagnosis.com: http://www.wrongdiagnosis.com/v/vitamin_a_deficiency/symptoms.htm
- Moringausa: http://www.moringausa.com/
- Jerrypettit.com: http://www.jerrypettit.com/blog/?m=200704&paged=2

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**GPS Heal the World**