

MATERNAL NUTRITION

Maternal and Newborn Health - Boeny Region, Madagascar

⚠ Confidential Document - This is a general presentation. For detailed protocols, clinical data, and complete methodology, please contact the author directly.

Project Overview

Maternal Nutrition is a research and intervention initiative aimed at improving the nutritional health of pregnant and lactating women in rural areas of Madagascar. The project focuses on specific needs during pregnancy, childbirth, and the postpartum period.

Problem Statement

Pregnant and lactating women in rural Boeny face major nutritional challenges that directly affect their health and that of their newborns. Maternal malnutrition contributes to pregnancy complications, low birth weight, and developmental delays in children.

2,000+

WOMEN TARGETED

35%

CURRENT ANEMIA RATE

8

HEALTH CENTERS

18 months

PROGRAM DURATION

Specific Nutritional Needs

Essential Nutrients for Pregnancy

- **Iron:** Prevention of anemia and support for fetal development

- **Folic Acid:** Reduction of neural tube defect risks
- **Calcium:** Baby's bone formation and maternal health
- **Proteins:** Tissue growth and placental development
- **Vitamins A, C, D:** Immunity and harmonious development
- **Iodine:** Fetal brain development

These needs increase significantly during pregnancy and lactation, requiring an adapted and culturally acceptable nutritional approach.

Program Objectives

- Reduce maternal anemia from 35% to less than 20%
- Improve newborn birth weight
- Strengthen women's nutritional knowledge
- Integrate sustainable nutritional practices in communities
- Train local health personnel on maternal nutrition

Three-Phase Approach



Phase 1: Assessment

Initial nutritional assessment and identification of specific needs



Phase 2: Intervention

Supplementation, nutritional education, and personalized follow-up



Phase 3: Evaluation

Impact measurement and practice sustainability

Intervention Strategy

- **Nutritional supplementation:** Distribution of adapted supplements
- **Community education:** Workshops on pregnancy nutrition
- **Enhanced medical follow-up:** Nutritional prenatal consultations
- **Promotion of local foods:** Valorization of available nutritious resources
- **Support groups:** Mother-to-mother exchanges and accompaniment

Expected Impact

- Significant reduction in pregnancy-related complications
- Improvement in maternal and child health
- Decrease in maternal and neonatal mortality
- Strengthening of local nutrition capacities
- Replicable model for other regions

Interested in This Program?

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Contact me for the complete protocol, preliminary data, and collaboration opportunities

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Presentation Document - Public Version

Detailed protocols and clinical data available upon request