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# Detailed Implementation & Financial Report

Community Health & Nutrition Study in Lufwanyama  
January – December 2023

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## 1. Project Overview

- **Title:** Community Health & Nutrition Study in Lufwanyama
  - **Location:** Lufwanyama District, Copperbelt Province, Zambia
  - **Duration:** January – December 2023
  - **Objective:** Generate evidence to guide local health and nutrition interventions through household surveys, ecological sampling, and stakeholder consultations.
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## 2. Background & Rationale

- Malnutrition and maternal health issues remain high in rural Copperbelt, worsened by unsustainable farming practices and limited dietary diversity.
  - There is little localized data to inform community-level bylaws and interventions.
  - The study aligns with Zambia's **National Food & Nutrition Strategy (2017–2025)** and global calls for evidence-based nutrition-sensitive agriculture.
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## 3. Activity Components

- **Baseline Household Surveys:** Assessing diets, child nutrition, and maternal health.

- **Ecological Sampling:** Soil and water quality testing to connect environmental health with nutrition.
- **Mapping & Data Analysis:** Producing GIS-based maps on land use and nutrition risk areas.
- **Community Engagement:** Workshops to discuss findings and draft bylaws.
- **Policy Dialogue:** Presenting results to District Council for adoption.

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#### 4. Detailed Execution Phases

- Phase 1 – Planning & Tool Design (Jan–Feb 2023):** Research tools developed; enumerators trained.
- Phase 2 – Field Data Collection (Mar–Jun 2023):** 300 households surveyed; soil and water samples collected.
- Phase 3 – Data Analysis & Mapping (Jul–Sep 2023):** Generated nutrition maps and cross-analyses of environmental data.
- Phase 4 – Community & Policy Engagement (Oct–Dec 2023):** Community forums held; bylaws drafted and submitted to District Council.

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#### 5. Implementation Timeline

Phase	Timeline
Planning & Tool Design	Jan – Feb 2023
Data Collection	Mar – Jun 2023
Analysis & Mapping	Jul – Sep 2023
Community Engagement & Policy Adoption	Oct – Dec 2023

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#### 6. Outcomes & Impact

- **300 households surveyed** across 5 wards.
- **Soil & water analysis completed**, highlighting nutrient deficiencies.

with stakeholders.

- **Nutrition & land-use maps** produced and shared
- **Community bylaws enacted** designating sustainable grazing and promoting crop

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## 7. Key Partners

- **University of Zambia, School of Public Health:** Technical lead for study design.
- **Lufwanyama District Health Office:** Local coordination and outreach.
- **Community Leaders:** Mobilization and bylaw drafting.
- **Funding Partner:** International health and nutrition donor.

## 8. Beneficiary Testimonials

*“I realized our farming methods were harming soil health. Now, we are adopting crop rotation to improve nutrition.”*  
— **Mary Mumba, Community Mother**

*“This study gave us evidence to act. We passed bylaws to safeguard land use for better diets.”*  
— **Councilor, Lufwanyama District Council**

## 9. Financial Report – Donor Grant (\$40,000)

Budget Item	Amount (USD)	Description
Research Design & Training	\$6,000	Tools, enumerator training, logistics
Household Surveys	\$10,000	Data collection for 300 households
Soil & Water Sampling	\$6,000	Lab tests and analysis

Data Analysis & Mapping	\$7,000	GIS mapping, statistical analysis
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Community Engagement Forums	\$5,000	Workshops and stakeholder dialogues
Policy Dialogue & Dissemination	\$3,000	Briefs, district-level meetings
Administration & Contingency	\$3,000	Coordination, communication, buffer
<b>Total</b>	<b>\$40,000</b>	<b>Grant Allocation</b>

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**Summary**

The Lufwanyama Health & Nutrition Study provided critical evidence linking environmental conditions with nutrition outcomes. Its findings shaped new bylaws and improved community awareness, positioning Barlistrive as a credible evidence-based development actor.

Yours faithfully,



**Lukachi Banda**  
Executive Director  
Barlistrive Cooperative Society