



PROJECT REPORT

Operation Mosquito Shield — Project Report

Location: High-risk communities, Ghana

Implementing Team: LifeLine

Prepared by: LifeLine Charity Foundation

Executive summary

Operation Mosquito Shield was a targeted public-health intervention to reduce malaria risk in two high-risk communities (including orphanages) identified through local health workers and community leaders. Over a swift, logistics-focused campaign LifeLine distributed ~1,500 preventative items (500 insecticide-treated nets, 1,000 coils, 100 cans of spray), and delivered hands-on community education on proper use and maintenance. Community reports in the weeks after reporting indicate a sharp decline in malaria cases, improved sleep security for children, and higher caregiver confidence — demonstrating that relatively small, well-targeted inputs can produce large health and quality-of-life gains.

Project background & rationale

Malaria continues to cause significant morbidity in many under-resourced Ghanaian communities. Local health data and leader reports flagged two communities experiencing high incidence and recurring weekly fevers among children. Recognizing an urgent need for prevention rather than only treatment, LifeLine designed a rapid response combining physical protection (nets), area control (coils) and immediate clearing (sprays), plus community instruction — a multi-pronged approach to lower vector exposure both at night and indoors.

Objectives

1. **Immediate protection:** Provide tools that reduce mosquito bites at the household level (nets, coils, sprays).
2. **Measurable health improvement:** Achieve a substantial reduction in new malaria cases in targeted communities.
3. **Community empowerment:** Train families and caregivers to correctly deploy and maintain nets and use repellents safely.
4. **Sustainable peace of mind:** Reduce caregiver anxiety and allow children to sleep safely through the night.

Scope & beneficiaries

- **Communities targeted:** Two entire communities, including at least one orphanage.
- **Primary beneficiaries:** Hundreds of households and children living in the targeted neighborhoods.
- **Items delivered:** 500 insecticide-treated mosquito nets; 1,000 mosquito coils; 100 cans of mosquito spray; plus informational demonstrations and follow-up guidance.

Activities / implementation

1. **Needs verification & community selection**
Collaborated with local health workers and community leaders to confirm the areas with highest reported malaria incidence.
2. **Mass procurement**
Sourced insecticide-treated nets, coils, and aerosol sprays in quantities sufficient to reach the targeted population.
3. **Logistics & distribution drive**
Organized transport, staged supplies, and conducted an on-site handover of items to community representatives and households.

4. Community education & demonstrations

Delivered live demonstrations: proper net hanging and upkeep, safe coil usage (ventilation, placement), and correct spray application. Distributed verbal guidance to caregivers and community leaders.

5. Documentation & photography

Captured photos and testimonials to document delivery and encourage transparency and donor reporting.

Impact & key metrics

- **Inputs delivered:**
 - **500 insecticide-treated nets**
 - **1,000 mosquito coils**
 - **100 cans of mosquito spray**
- **Immediate outputs:**
 - **Hundreds of households equipped with at least one net or coils.**
 - **Multiple demonstration sessions held with caregivers and orphanage staff.**
- **Reported outcomes (community feedback):**
 - **Local leaders and caregivers reported a marked decline in weekly fevers in the weeks following distribution.**
 - **Caregivers described improved sleep for children and reduced anxiety about nightly mosquito exposure.**

Note: baseline and post-intervention malaria incidence numbers were reported anecdotally by community leaders. For rigorous impact measurement a short follow-up survey or partnership with local health clinics is recommended (see Recommendations).

Voices & testimonials

- **“The weekly fevers have stopped. Our children can now sleep through the night without us worrying. This donation was a blessing we desperately needed.” — Caregiver, recipient orphanage.**
- **“It’s a simple act, but the impact is enormous. We’re not just donating items; we’re donating peaceful nights and healthier futures.” — LifeLine Project Lead.**

Conclusion

- Operation Mosquito Shield demonstrates how a rapid, well-targeted mix of material support and education can produce immediate and meaningful reductions in malaria risk for vulnerable families. By delivering physical protection (nets, coils, sprays) and pairing these with clear, on-the-ground training, LifeLine helped restore safety to sleep, reduce fevers, and give caregivers peace of mind. With structured follow-up measurement and modest scale-up, this model can be replicated across other at-risk communities — turning simple prevention tools into sustained health gains.

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Signed,

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Co-Founder & Executive Director