Mobile Laboratory for Outbreaks Control

Project Summary

Problem
In MSF emergency settings, disease outbreak detection is often unavailable at the field level. This is compounded by limited national lab capacity, which delays identifying and responding to an outbreak in a timely manner.

Proposed Solution
Develop a mobile laboratory that can be rapidly deployed to the field to investigate outbreak alerts. This includes equipment and an experienced team.

Potential Impact
- Improves diagnosis and operational response
- Strengthens national health system capacity for alert investigation and timely response

Viability
- Mobile team includes MSF and Ministry of Health staff
- Identifies minimum viable product for first wave of lab tests

Risk Mitigation
- Seeks endorsement of Ministry of Health and other surveillance actors to prevent project delays

Scalability
- Takes a modular approach for lab component design
- Identifies the need for an adoption plan to support replication in other settings

Area/Type: Medical Research and Development; Incubator
Sponsor/Support: OCBA
Length/Project Status: 1.5 years; ONGOING