How Can Integrating Sanitation and Hygiene into a Neglected Tropical Disease (NTD) Control Program Accelerate Reduction in NTDs?

Burkina Faso Case Study

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Introduction

**Rationale**
- Burkina Faso has 16 of 17 NTDs with identified high prevalence areas
- High levels of Schistosomiasis, Trachoma, and Soil-Transmitted Helminths
- National NTD program focus on mass drug administration
- WASH sector is water focused (64.1% coverage in rural areas)
- Poor sanitation coverage (6% in rural areas)

**Intervention Area for Pilot Project**
- One health district: Manni
- Three communes: Manni, Kaola, and Thion
- Twelve villages

**Current Situation**
- Open water source uses
- Latrine use
- Unsafe behaviors
- Open defecation

**Intervention Design**
Engage Stakeholders Inside and Outside the Government at Multiple Levels
- Ministries of health, education, water/agriculture
- WASH NGOs
- NTD NGOs
- UNICEF

Engage and collaborate at local level and bring learning to national level

**Implement a Comprehensive Behavior Change Activity**
- Develop integrated WASH-NTD behavior change tools
- Train community women, health workers, school kids, teachers
- Implement community-led total sanitation in targeted communities using integrated WASH-NTD tools
- Implement a radio campaign promoting WASH-NTD integrated prevention messages

**Indicators**

<table>
<thead>
<tr>
<th>Domain</th>
<th>Key Indicators (%)</th>
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<tbody>
<tr>
<td>Water</td>
<td>Households treating and safely storing water</td>
</tr>
<tr>
<td>Sanitation</td>
<td>Households with access to improved sanitation</td>
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<tr>
<td>Handwashing and soap availability</td>
<td>Households with water and soap at a fixed handwashing location commonly used by family members</td>
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<tr>
<td>Face hygiene and trachoma</td>
<td>Households with index child with dirty face</td>
</tr>
<tr>
<td>Schistosomiasis</td>
<td>Households reporting index child who regularly bathes, swims, and/or plays in open water</td>
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<tr>
<td>Helminths/intestinal worms</td>
<td>Caretakers that do not serve food to index child directly on dirty floor/yard</td>
</tr>
<tr>
<td>Vectors and cleanliness</td>
<td>Households with visible human/animal feces in house or yard</td>
</tr>
<tr>
<td>Exposure</td>
<td>Households exposed to sanitation, handwashing, face washing, helminth prevention, schistosomiasis prevention, water treatment messages</td>
</tr>
</tbody>
</table>

**Expected Results**

**Key Product:** Model for a WASH-NTD integration program

**Expected Outputs:**
- More latrines being used in the community
- Improved knowledge of:
  - face and handwashing
  - drinking water treatment and storage practices
  - need to spend less time in open water sources
  - when to wear shoes

Thank you for coming up to us to understand our living conditions. These questions have helped us recognize some of our bad habits and behaviors and now we will try to change our practices...

—village mother