What makes Community Health Information Systems Work?

Some Core Principles, Some Real-Life Examples

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Akros establishes data-driven systems to improve the health and well-being of disadvantaged communities.

Driven by data. Inspired by people.
Summary

① Core Principles of Community Level Surveillance

② Application of Principles to programs

③ Where we see this going
Principles of Community Surveillance
The virtuous data cycle

Using the data helps increase its quality, which in turn creates a greater willingness to use the data.
Scale, Cost-Efficiency and Complexity: You can only pick TWO.
The "Sweet Spot" Not sustainably priced for transition to gov’t

Not sustainably priced for transition to gov’t

The “Sweet Spot”

No resources for gov’t capacity building

Scale

Complexity

Cost-Efficiency
Use data to improve & target interventions.
Application to WASH Community Led Total Sanitation (CLTS) in Zambia
2013: M2W WASH MIS in 15 Districts

2014: Expands to additional 14 Districts
     Begin engaging traditional leaders

2015: Transition 29 Districts
     Expand to additional 17 Districts
     Add on Water Access Monitoring

2016: Transition 17 Districts
     Expand to 23 Districts
     Add on latrine construction
     Targeted districts: F&E monitoring

2017: Expand to include urban sanitation
     Transition 23 districts
Old System: Paper-to-Excel

How many households are in the village?
How many households in the village have adequate latrines?
• Lid
• Cleanable floors
• Privacy
• Handwashing
<table>
<thead>
<tr>
<th>No</th>
<th>Head of Household Name</th>
<th>Final # of people in household</th>
<th>Latrine got with partial funding? (Y/N)</th>
<th>Was it Built after CTS? (Y/N)</th>
<th>Smooth, disposable floor? (Y/N)</th>
<th>Lid on hole preventing flies in and out? (Y/N)</th>
<th>Sanitation: providing privacy? (Y/N)</th>
<th>Hand-wash with water &amp; soap or dish? (Y/N)</th>
<th>Has this household answered &quot;Yes&quot; to all the Adequate Latrine Requirements? (Y/N)</th>
<th>Does the street have a name? (Y/N)</th>
<th>Quality Check</th>
<th>Notes</th>
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Progress toward an open defecation free district
• Simple, cheap solution
• Provide feature phones to Community Champions
  • Automate aggregation & feedback of data
A sanitation action group (SAG) collects data on paper
Community champions review paper forms with SAG and submit via mobile phone
Compelling, automated feedback loops

Provincial Staff

District Staff

Sub-district Staff

Chiefs/Traditional Leaders

Facility Staff

Community Volunteers

WASH MIS
3,800 Volunteers

40,000 Villages

100% of Rural Districts
Chiefs oriented on CLTS program

Chiefs compete with each other on achieving ODF

Village headmen and chiefs then engage community to become ODF

Village headmen

Chiefs place social pressure on village headmen.
Engagement of chiefs & traditional leaders with data meant impact
Over 2 million new users of sanitation

Southern Africa’s first Open Defecation Free District

FOR IMMEDIATE MEDIA RELEASE

Zambia Celebrates the First Open Defecation Free District

Chienge is also First in Southern Africa
How else have we applied these principles of Community Surveillance?

- ICCM
- Malaria Elimination
- Education
- Agriculture
- Referrals
CHIS Toolkit

- Develop country-level assessment for CHIS
- Training materials / guidance
- Modular toolkit within DHIS2 for CHIS
- DHIS2 academy focused on CHIS

**Looking for countries interested in piloting this CHIS Toolkit**