What makes Community Health Information Systems Work?

Some Core Principles, Some Real-Life Examples

Anna Winters, PhD March 2017



What We Do

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

Driven by data. Inspired by people.

Education Health Land Tenure W.A.S.H.

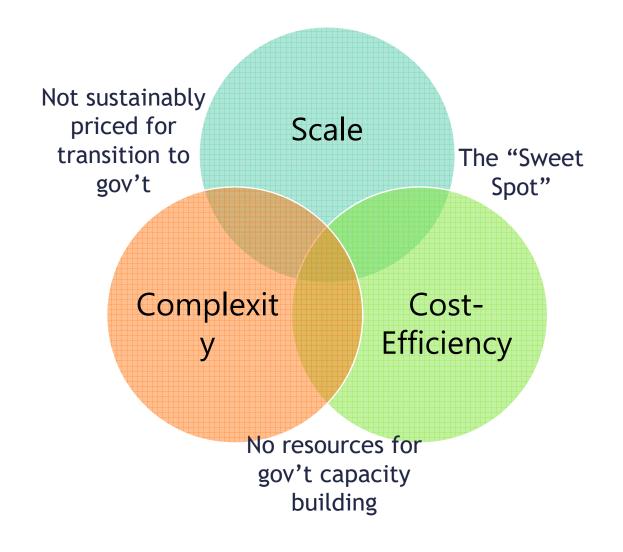


Summary

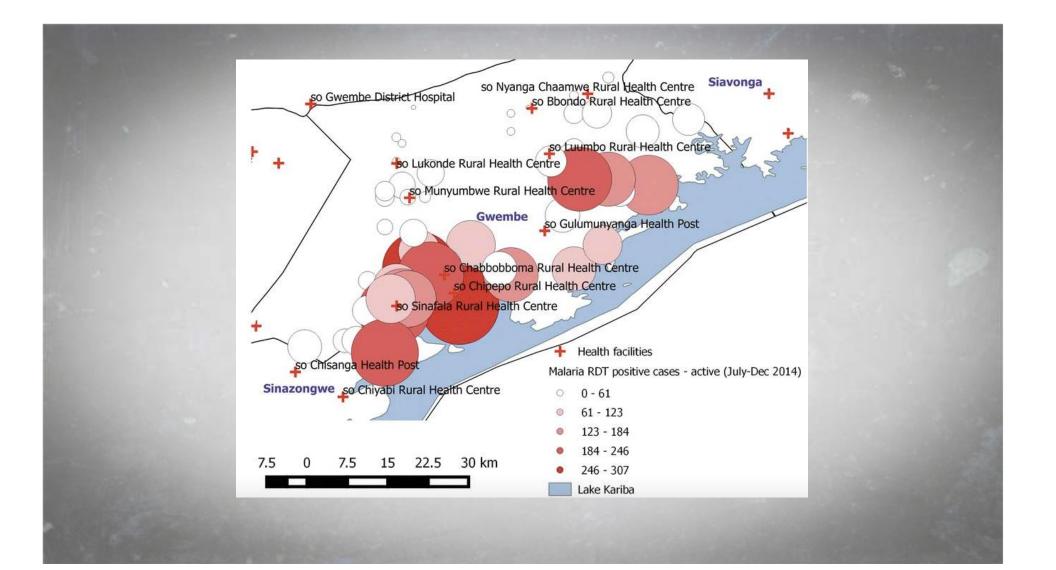
- 1 Core Principles of Community Level Surveillance
- (2) Application of Principles to programs
- 3 Where we see this going

Principles of Community Surveillance

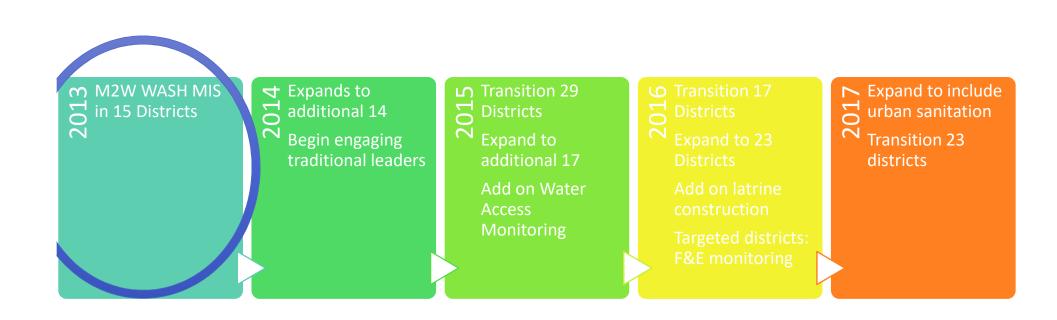
Scale, Cost-Efficiency and Complexity: You can only pick TWO.



Use data to improve & target interventions.



Application to WASH Community Led Total Sanitation (CLTS) in Zambia



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



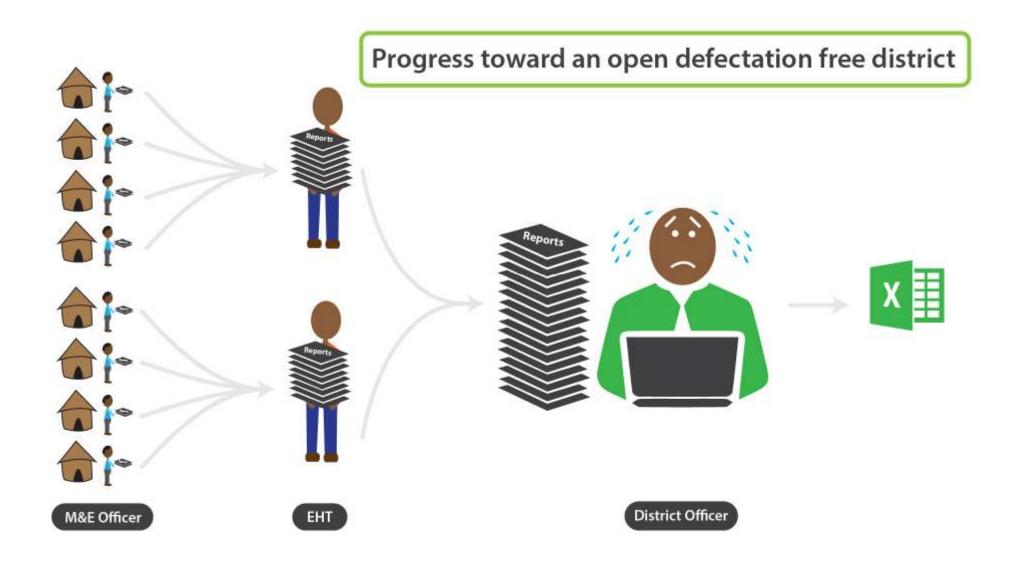


District: GWEMBE Rural Health Ctr: MAKUYU Ward: FUMBO

Village: HAMUKAMBA Constituency: SWEMBE Date: / /

Village Headman: MUCHIMBA SEORGE Comm Champ Name: HATCANYANE SUSAP

Contract Con					Adequate Latrine Requirements							any criecs
					1	2	3	4			(to be filled out by CC)	
	Head of Household Name	Total # of people in household	Latrine (pet with plat- form) in use? (Y/N)	Was it built after CLTS triggering? (Y/N/I)	Smooth, cleanable floor? (Y/N)	Lid on hole preventing flies in and out? (Y/N)	Superstructure growtding privacy? (Y/N)	Hand winher with water 6 soap or esh? (Y/N)	Has this household answered 'Yes' to all the Adequate Latine flequiremental (Y/M)	Does the latrine have a roof? (Y/N)	Tick at least 3 households to quality check	Was this household data entered correctly? (Y/N)
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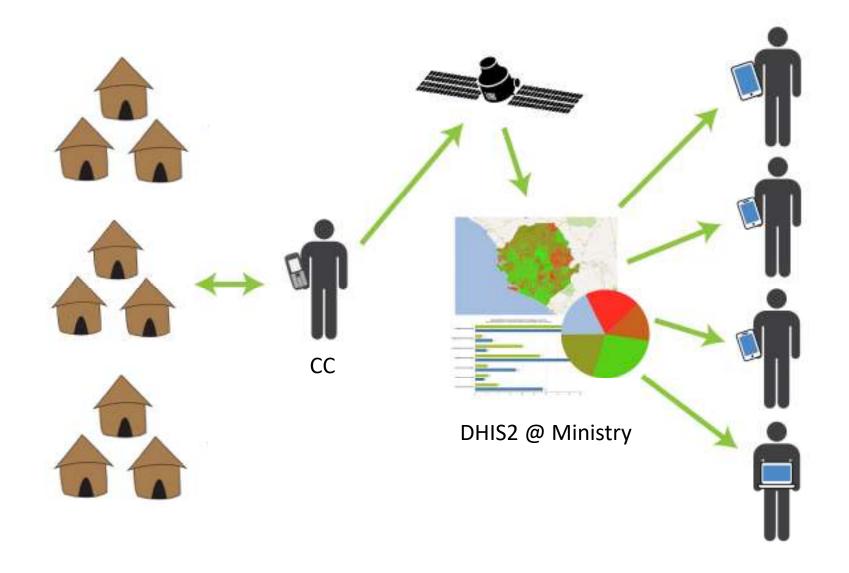


- Simple, cheap solution
- Provide feature phones to Community Champions
 - Automate aggregation & feedback of data

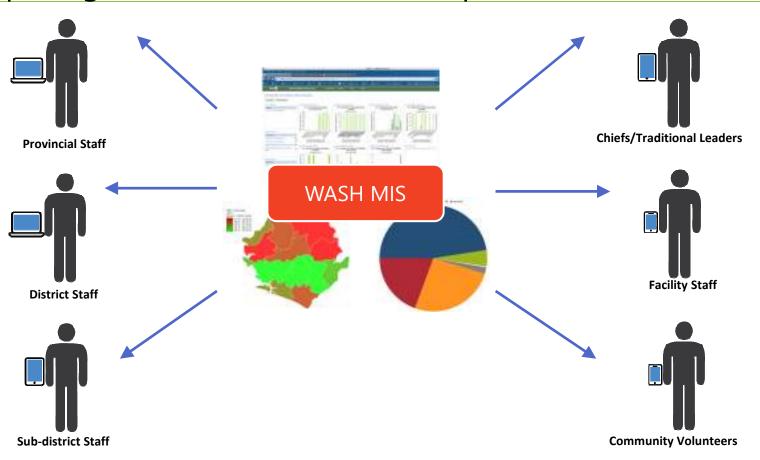








Compelling, automated feedback loops

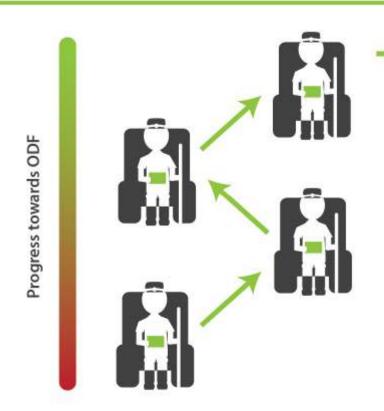


3,800 Volunteers

40,000 Villages

100% of Rural Districts

Chiefs oriented on CLTS program



Chiefs compete with each other on achieving ODF

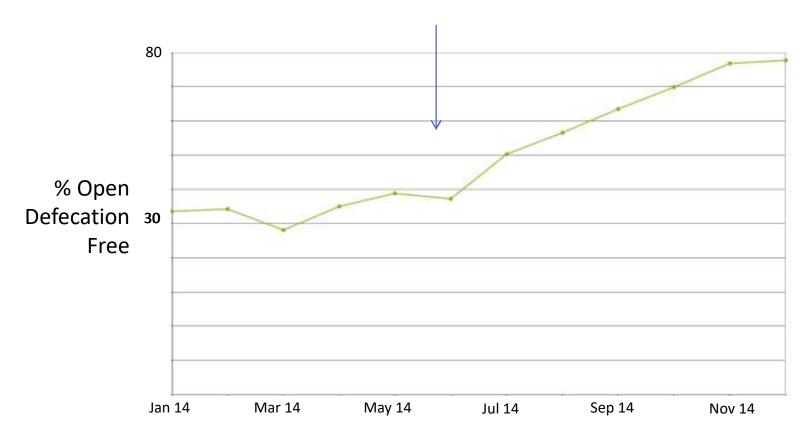


Chiefs place social pressure on village headmen.



Village headmen and chiefs then engage community to become ODF

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





- 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







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