



Grey Water reuse through Community Health Clubs

Teddy Gounden
eThekweni Municipality
2010



AFRICAHEAD Juliet Waterkeyn & Nancy Maksimoski
Contact: 27 21 7862664. juliet@africaahead.com



Introduction to Johanna Road Informal Settlement



- 200 - 250 households
- 10km from Durban City Centre
- 65.4% women*
- 66.4% single parents*
- 43.3% of households do not have at least one person employed
- 88.5% of households believe disposal of solid waste and management of rubbish to be problematic

*of 103 respondents of Africa AHEAD baseline survey

Objective of the Project

to improve the living standard of residents of this informal settlement
to provoke clean up of solid waste



To reuse grey water using agritubes

Measurement of Progress

Two surveys where done, before and after the 6 month project
100 households observed

Observation of:

Water storage
Food hygiene
Waste disposal
Open defecation
Hand washing
Grey water reuse
Solid waste disposal



Impiloyethu and Sakhimpiloyethu

Two health clubs formed in July 2009

58 registered members, mainly women

Representing $\frac{1}{4}$ of all household in settlement



Club Activities

Clean up of Solid Waste, and Grey Water Sullage

Involved the whole community,
but organised by health club members



Clean up of Ablution Block



Before



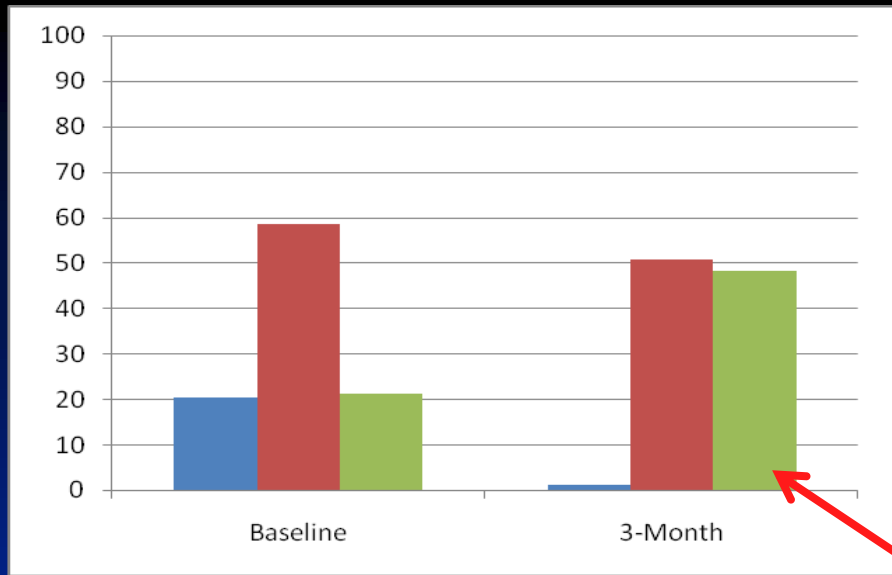
After

Communal Ablution Blocks

Community Health Club volunteer to clean up Ablution Blocks
Agri-tubes given to all active CHC Members to start gardens



Behaviour Change at 3 -Months



- LOW number of safe hygiene practices
- MEDIUM number of safe hygiene practices
- HIGH number of safe hygiene practices

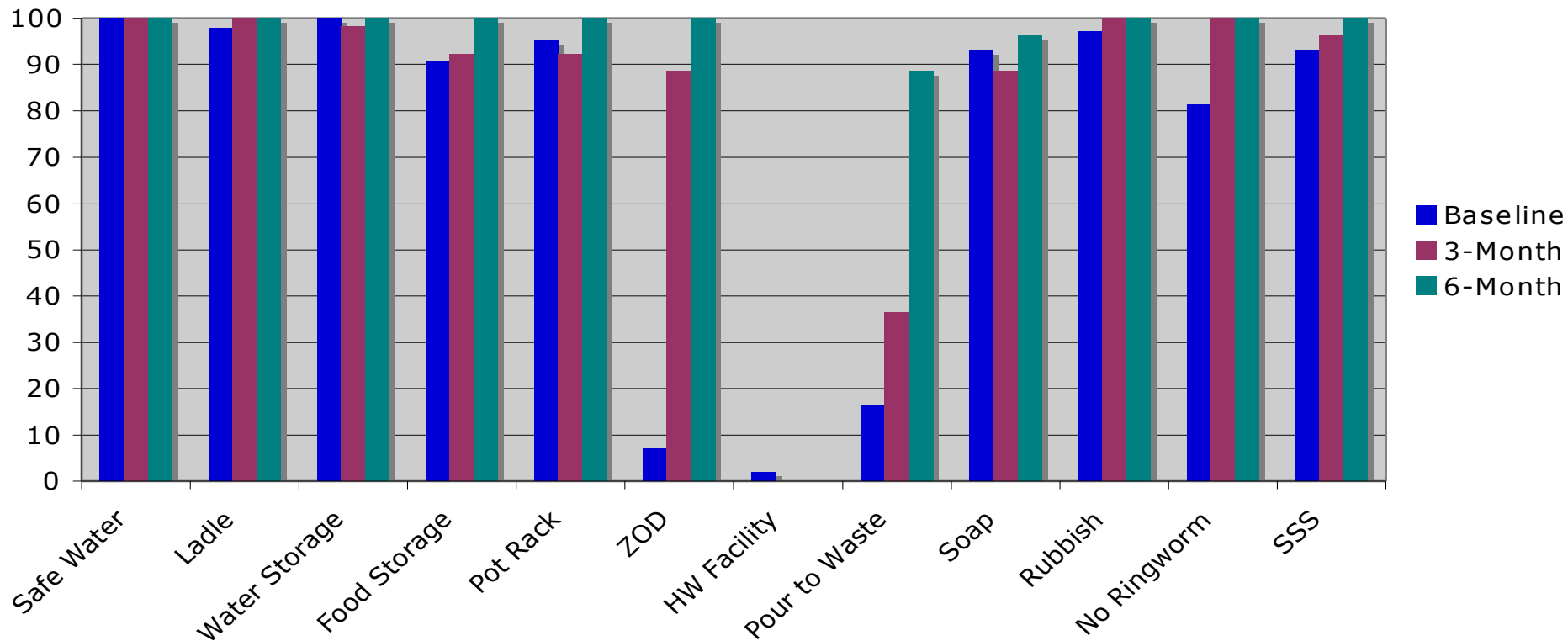


After 3 months most had moved to MEDIUM or HIGH level of safe hygiene practice

CHC members had higher standard of hygiene than non CHC members

Behaviour Change Among CHC Members Baseline, 3-month and 6-month

7% who practiced open defecation at base line to
100% with ZERO OPEN DEFCATION



Gardening Projects



An illegal dump site becomes a thriving garden.

The owner is so delighted he offers the group all the land.

BEFORE

AFTER
6 MONTHS







Grey Water Agri-Tubes

Using grey water to grow vegetables with the new agri-tube.



Tyre-Step Project

Steep access paths were dangerous and slippery in the rains, and this was remade by the Community using Tyres as steps



Challenges



- “Gatekeeper” Politics
- Bi-monthly Attendance
- Social issues (alcoholism)

Graduation and Beyond

- A graduation ceremony for the 31 graduating CHC members took place on 9 April 2010

Next Phase starts in May, 2010, with an extension of activities into neighbouring Tutgani settlement

CHC Members will spread their knowledge and skills in home hygiene, maintenance of ablution facilities, care of environment through good solid waste disposal and grey water reuse.

Thank you for your attention