OVERVIEW

- What is IPA?
- The Chlorine Dispenser System
- Scaling cost-effectively in Kenya

Mission: to research what works in development using Randomized Evaluations.

Projects span diverse sectors:
- Agriculture, charitable giving, education, health, microfinance and enterprise, governance and community participation, and water and sanitation.

365 projects in 46 countries with 600 staff.

IPA scales up successful ideas that have been proven by research, through:
- Replication
- Dissemination
- Implementation.
Diarrhea leading cause for under 5 mortality in Kenya & MDGs emphasize access to improved water sources

Randomized evaluation of spring protection showed water quality improved at source

Recontamination identified as an issue

Dispensers designed to increase take-up and reduce cost of household chlorination
CHLORINE DISPENSER SYSTEM:
3 COMPONENTS

1. Dispenser Hardware
2. Local Promoter
3. Bulk Chlorine Refills
3 or 5 liter HDPE blow-molded tank
- Tank filled with 1.25% chlorine solution
- Valve doses 3mL volume of chlorine
- As the handle is turned, the valve fills and releases one dose:

- One valve-turn treats one 20 liter jerrycan / 5 gallon bucket of water
- One tank supplies community of 150 people for approx. 1 month
Results of surveys conducted over 2 years showed:
- Sustained high chlorine take-up levels in Dispenser communities compared to the controls.
- Control communities had access to for-purchase bottled chlorine after two years, take-up remained between 50-60%.

Potential for Impact: High Adoption

Adoption of Chlorination: Communities with Dispenser versus Control
SCALING COST EFFECTIVELY

Total Dispensers installed in Western Kenya:
2100 (January 2012)

- Ministry of Public Health and Sanitation
- Ministry of Education
- Ministry of Water
- Local government boards
- One Acre Fund (large-scale agriculture NGO)
- IPA research projects

- Hub & spokes model
- Direct delivery model
Higher adoption:
- Consistent service delivery
- Interpersonal engagement
- Community meeting attendance
- Functioning hardware
- HH w/ children and perceived unsafe sources
GLOBAL PROGRAMS: CURRENT LOCATIONS

Dispensers are adapted to local conditions:

- Haiti
- India
- Bangladesh
- Somalia
- Swaziland
- Peru
- Uganda

Total Dispensers installed globally:
~ 4000 (February 2012)
THANK YOU
WWW.POVERTY-ACTION.ORG/SAFEWATER