

Ongoing Impact Evaluation of CBEHPP in Rusizi District

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3,000 RWF



3,000 RWF

Which would you buy?





100,000 RWF

School Uniforms



100,000 RWF

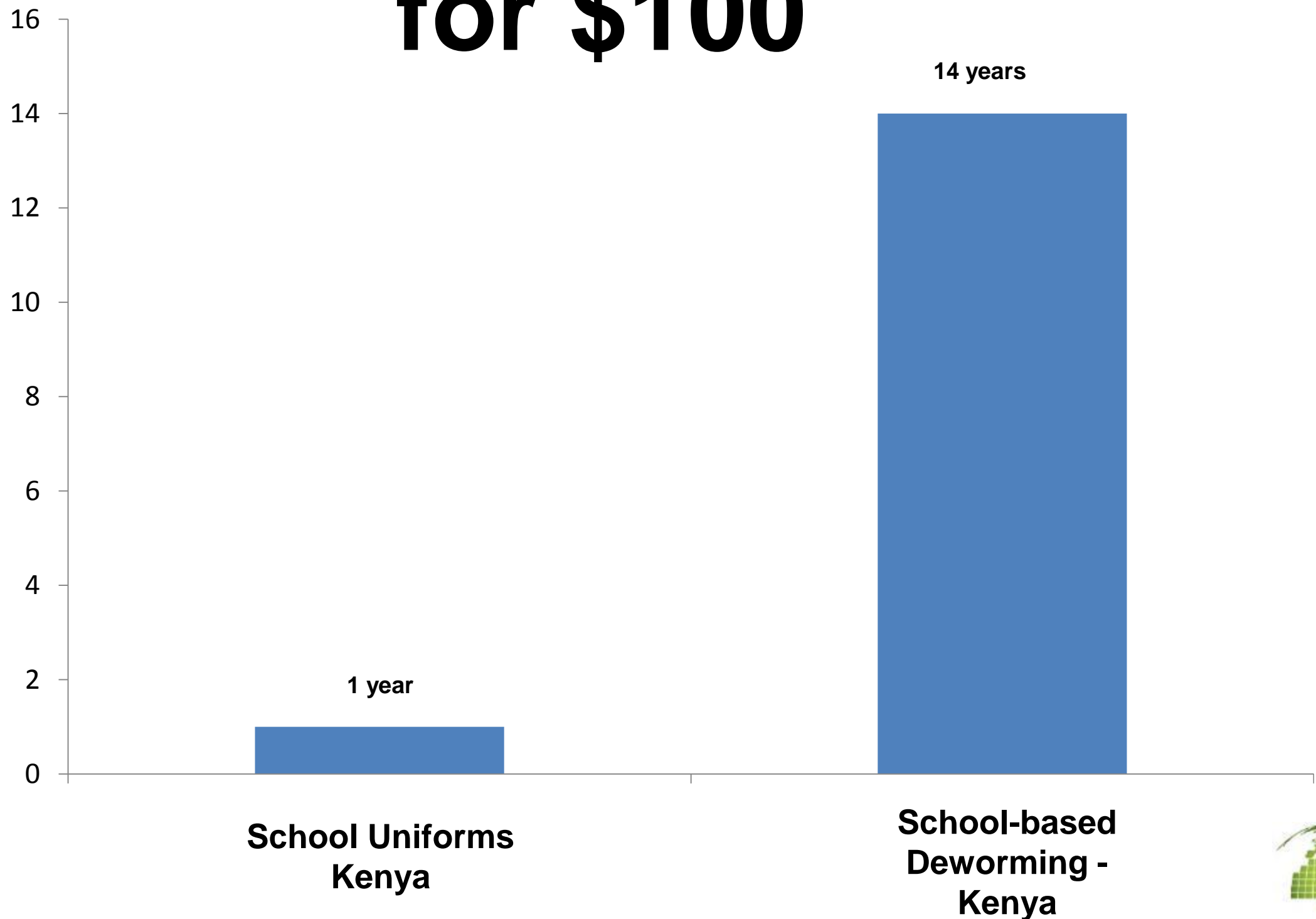
Deworming Children

Which would you buy?



Additional Years of Schooling for \$100

Years of Additional Schooling



Source: Poverty Action Lab. Numbers are for total additional years, not per child.



IPA'S MISSION

To discover and promote effective solutions to global poverty problems.

Research Question

- **Are Community Hygiene Clubs an effective way to change behavior and improve hygiene and sanitation?**
 - If yes, under which conditions are they effective?
 - Which attributes/activities predict their success?
ASOCs, materials, membership cards, etc.?
 - ***With limited resources***, how should we design & implement CHCs?



Justification of Selection of Rusizi District

—Selected in Collaboration
by all partners (MOH, IPA,
GU, LSHTM)

—Eligibility Criteria:

- No existing donor support
for environmental health
- Disease burden

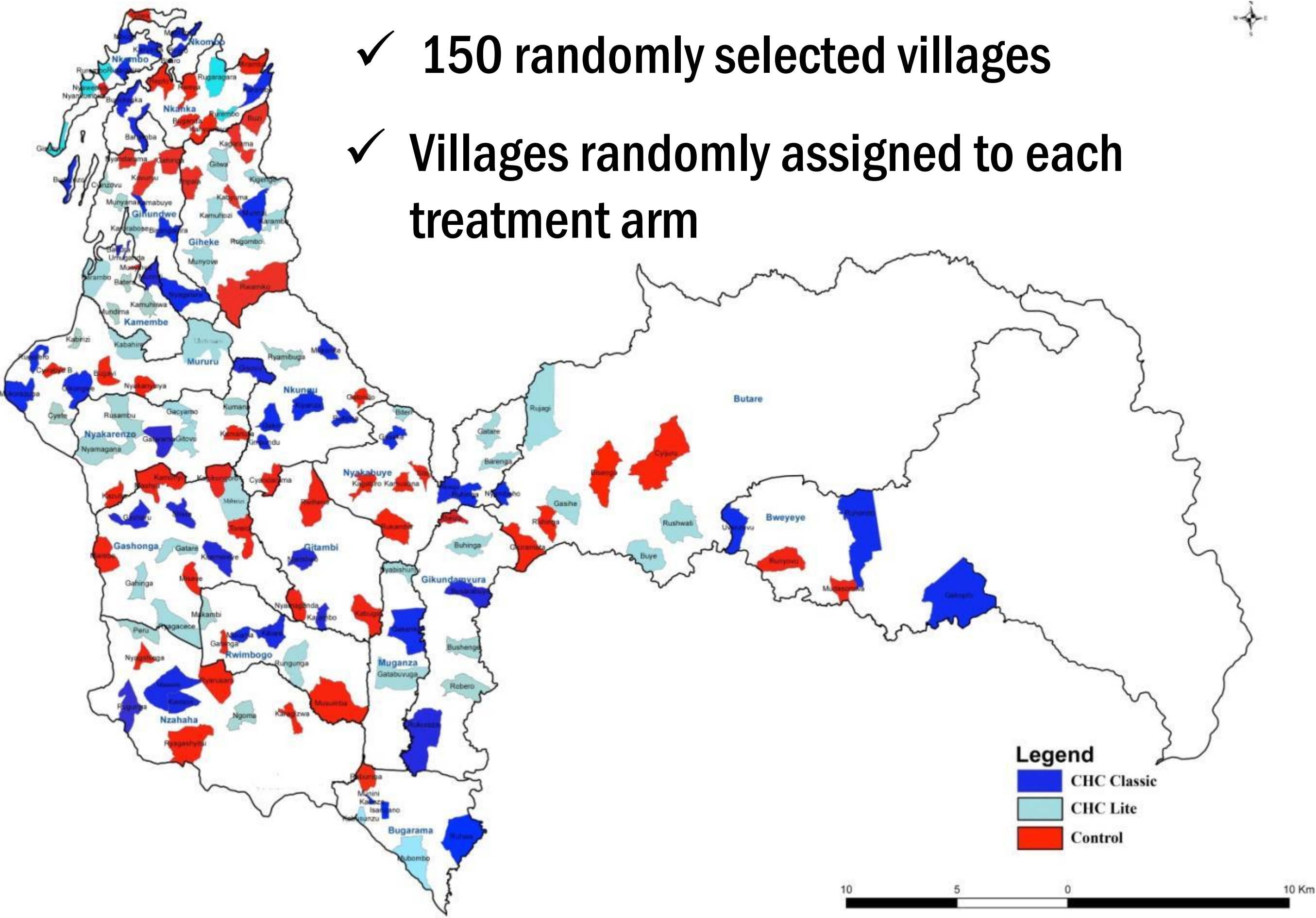


Research Design

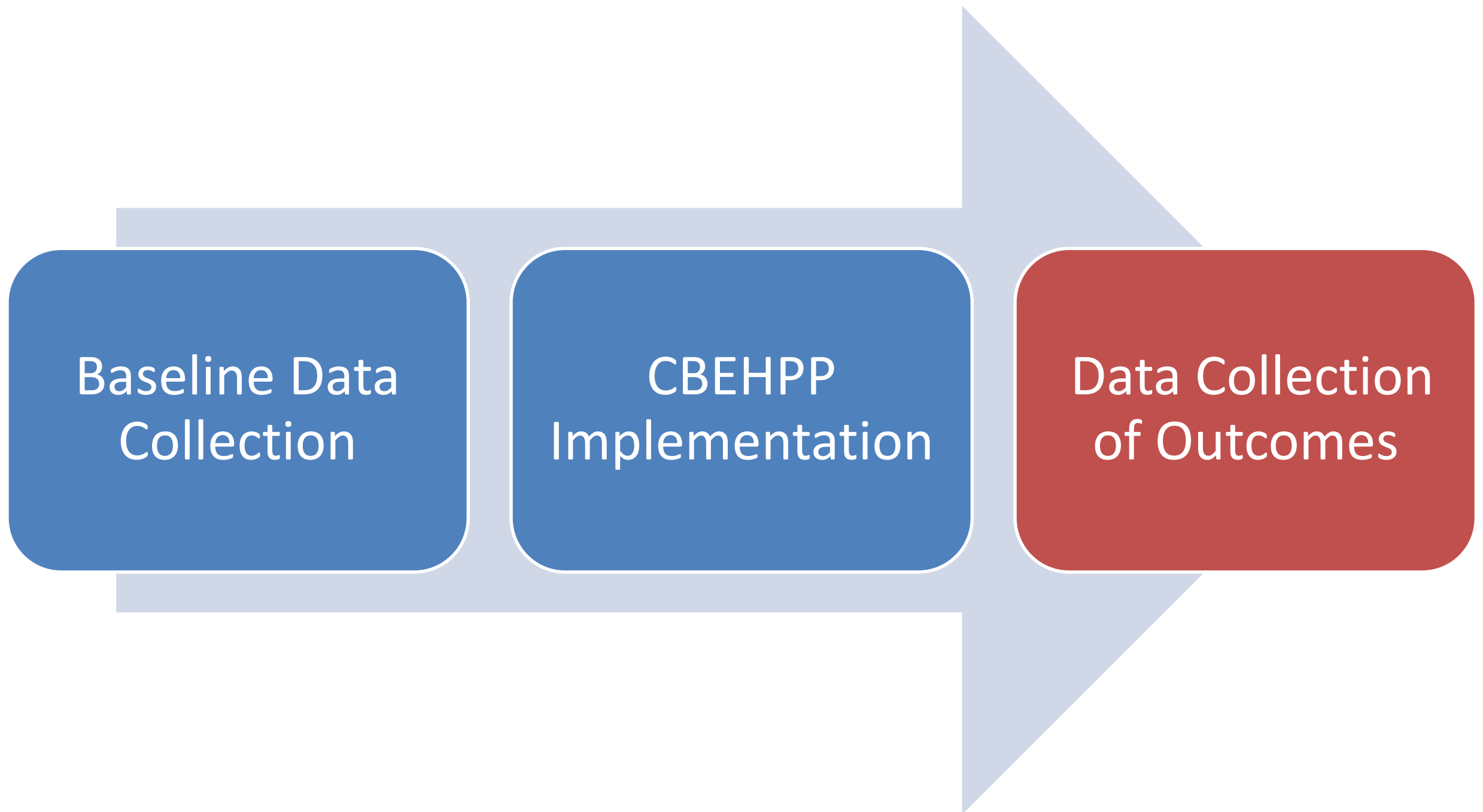
- We will examine the **impact of CHCs** through 3 randomly-assigned study arms in **150 villages total**:
 - Classic CHC (50 villages)**
 - 20 sessions, full Africa AHEAD clubs
 - Lite CHC (50 villages)**
 - 8 sessions, limited club model
 - Phased-in CHC (50 villages)**
 - 20 sessions, full clubs, phased-in 2016



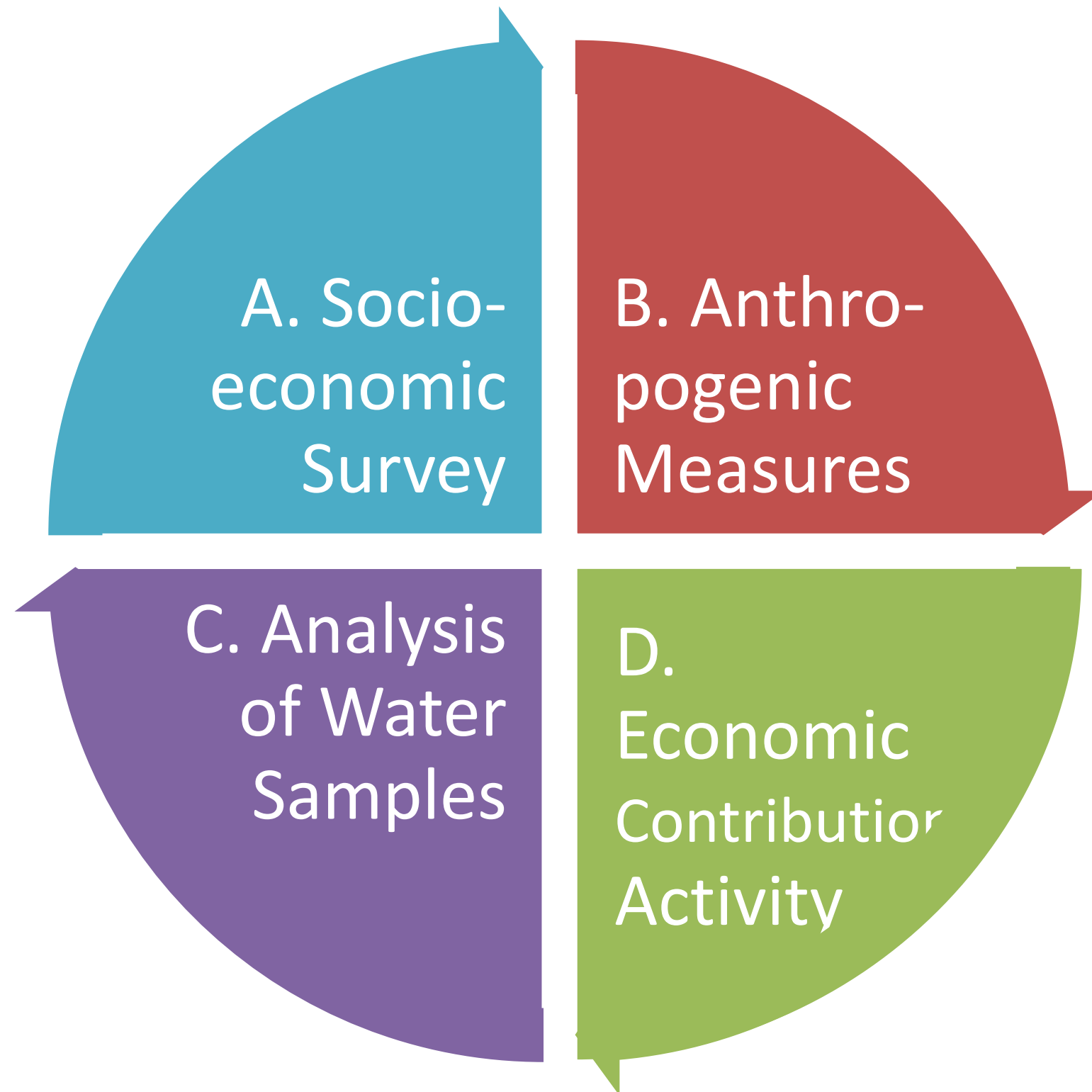
- ✓ 150 randomly selected villages
- ✓ Villages randomly assigned to each treatment arm



CBEHPP Evaluation Timeline



Impact Evaluation Components



Socio-Economic Survey

- **Collecting digital survey data on:**
 - Household assets
 - Housing
 - Education
 - Health



Anthropogenic Measures

- Measuring height and weight of children under 2
- Measuring weight of children under 5



Household Drinking Water Samples

- Testing water quality in 10% of eligible village households by counting thermo-tolerant coliforms

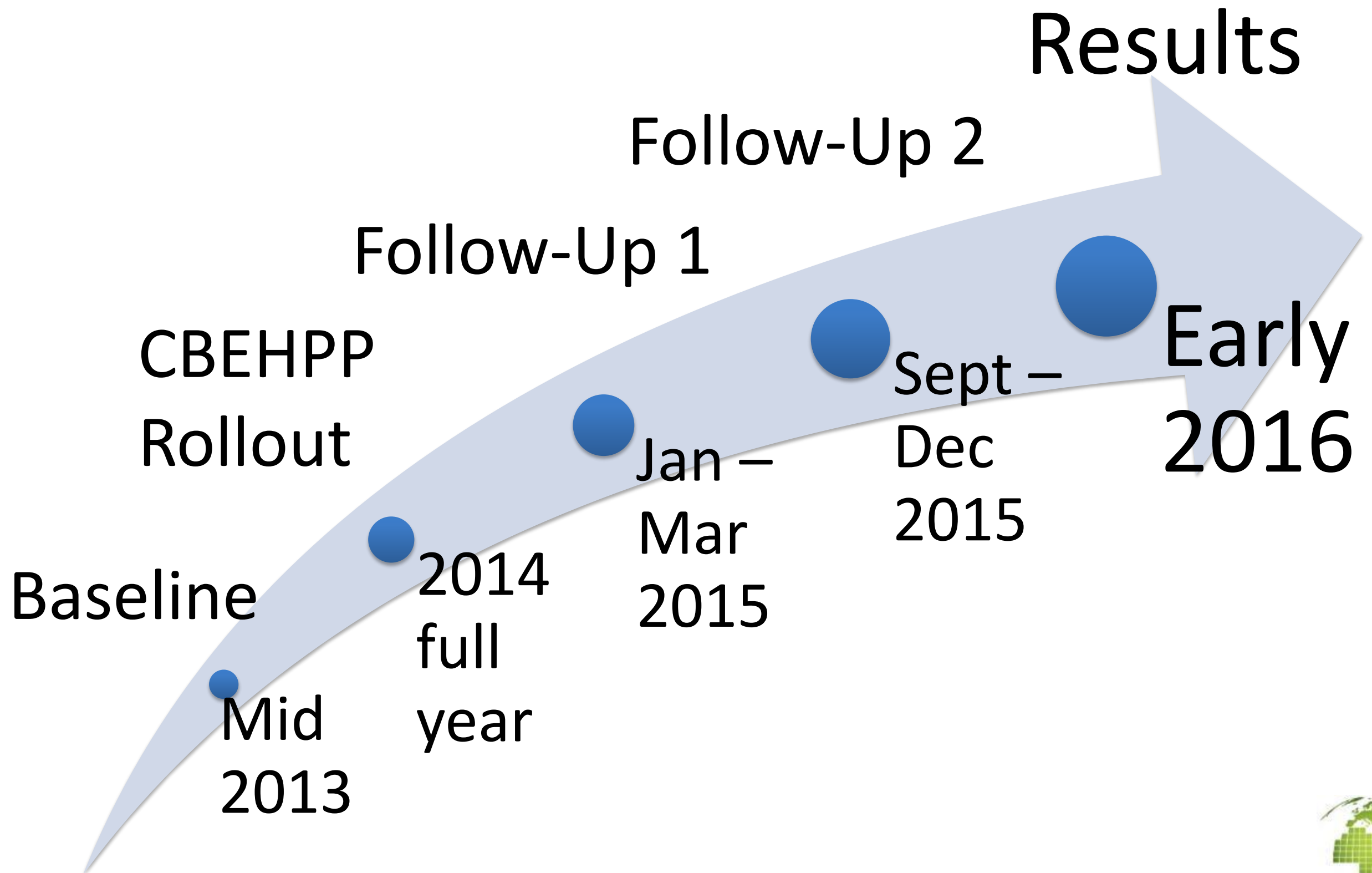


Economic Contribution Activity

- To measure village cooperation
- 12 participants per village
- Randomly selected from survey respondents



CBEHPP Evaluation Timeline



Research Objective

- We want to learn from Rusizi

**Are Community Hygiene Clubs
an effective way to change
behavior and improve hygiene
and sanitation?**

**to get valid recommendations guiding policy
makers, donors, and partners on what works in
CHCs, at which cost, for future implementation in
Rusizi, and Rwanda**



Thank You!

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Rwanda

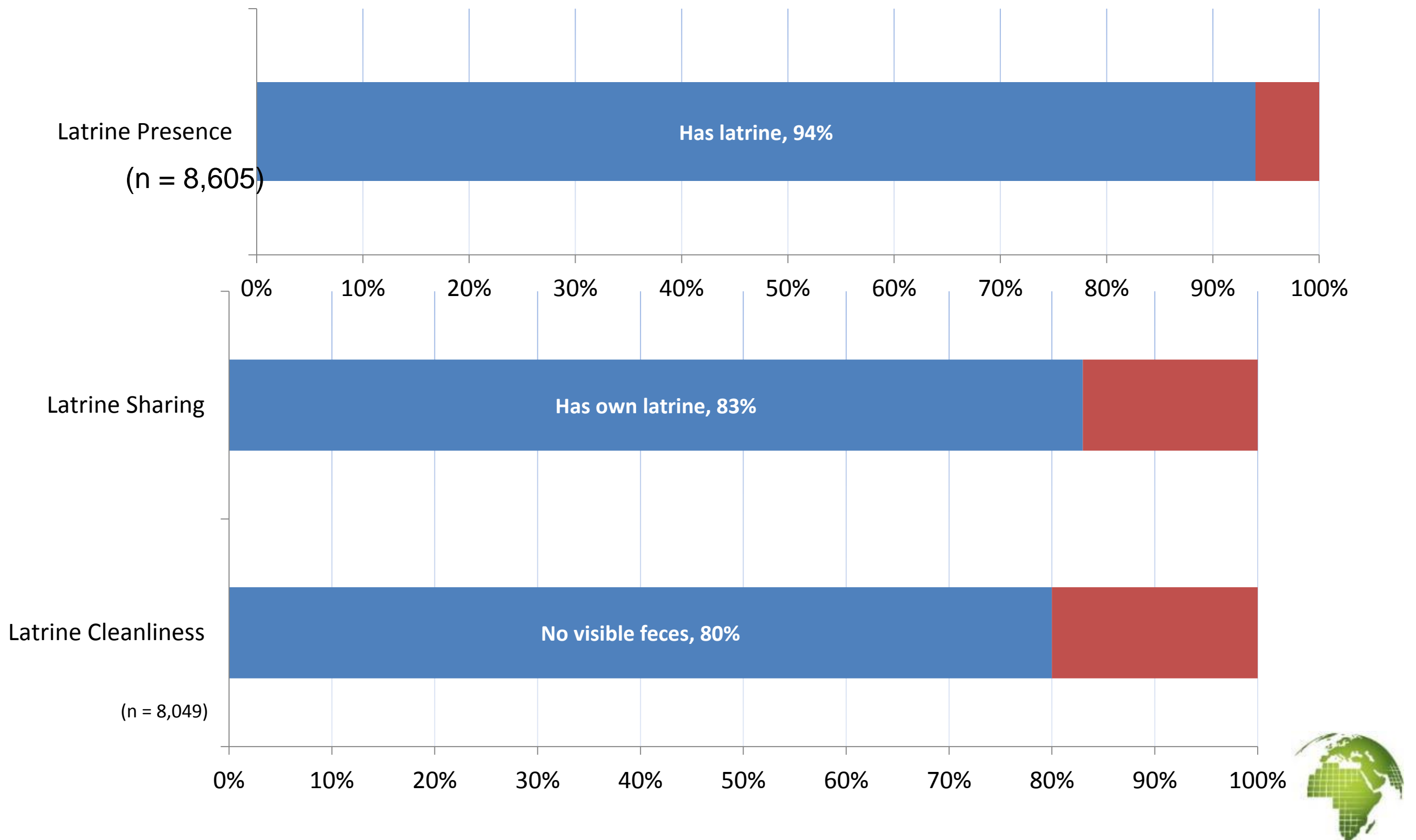




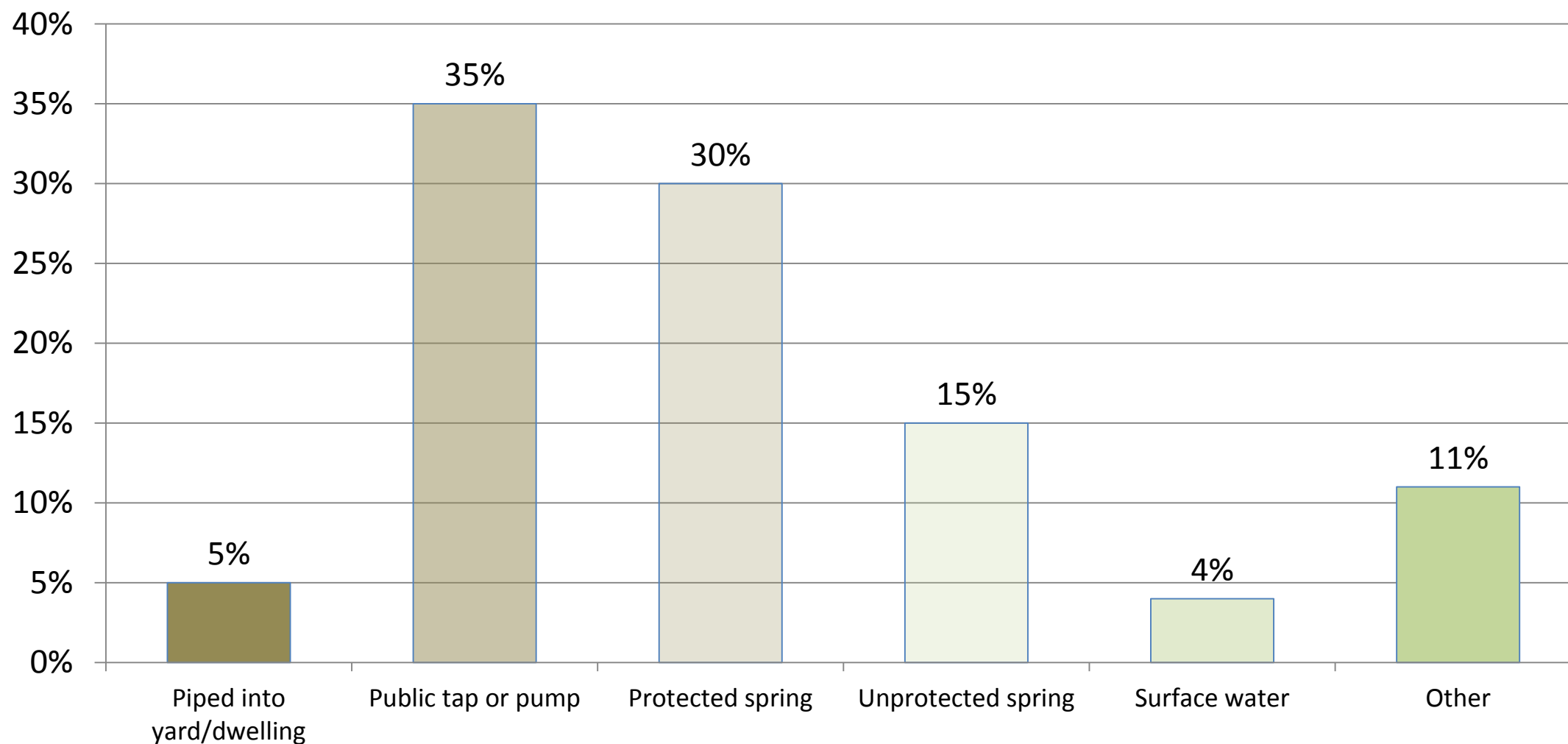
Baseline Results



REACH – Latrine Presence



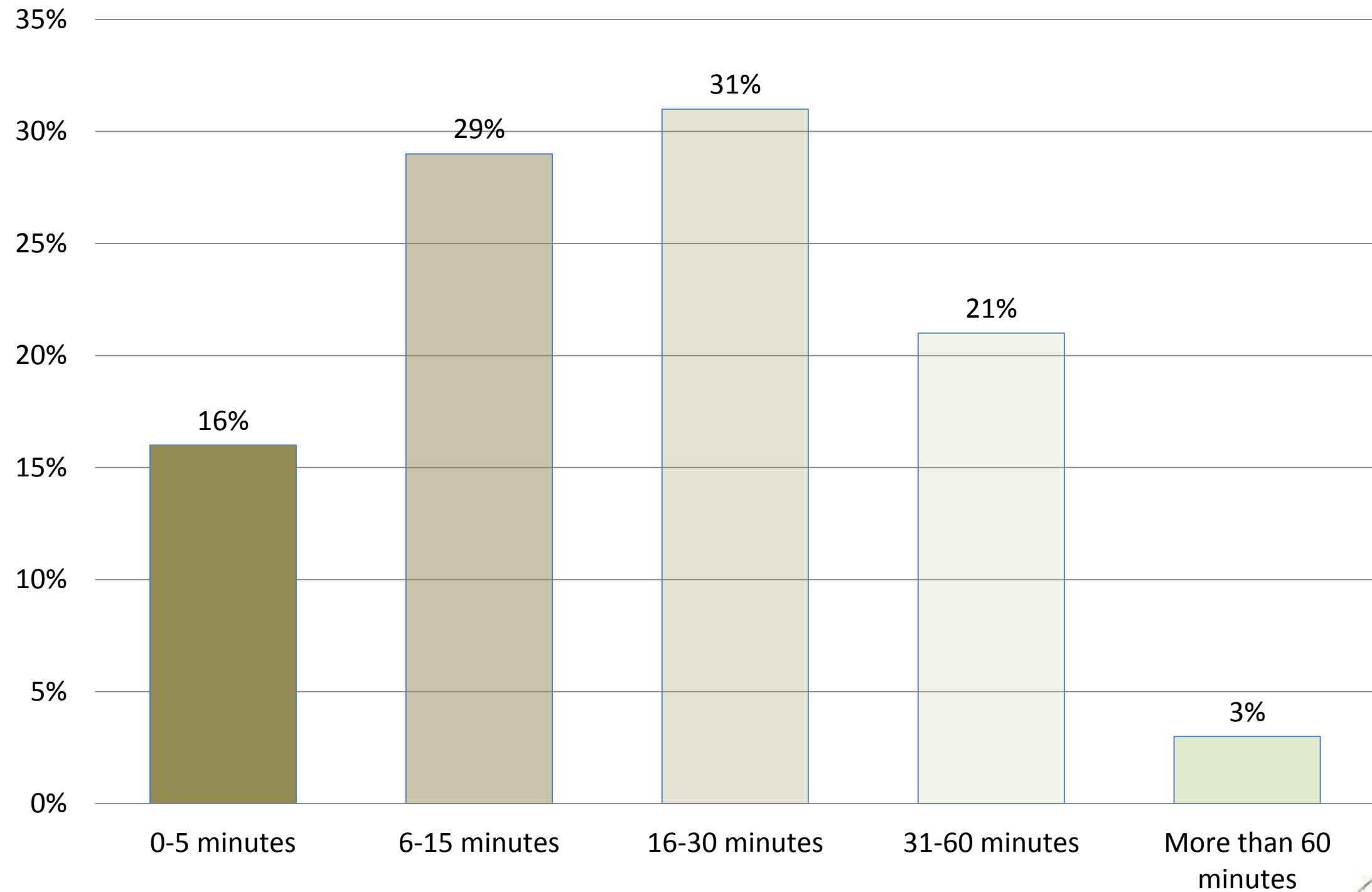
REACH – Main Source of Household Drinking Water



(n = 8,718)



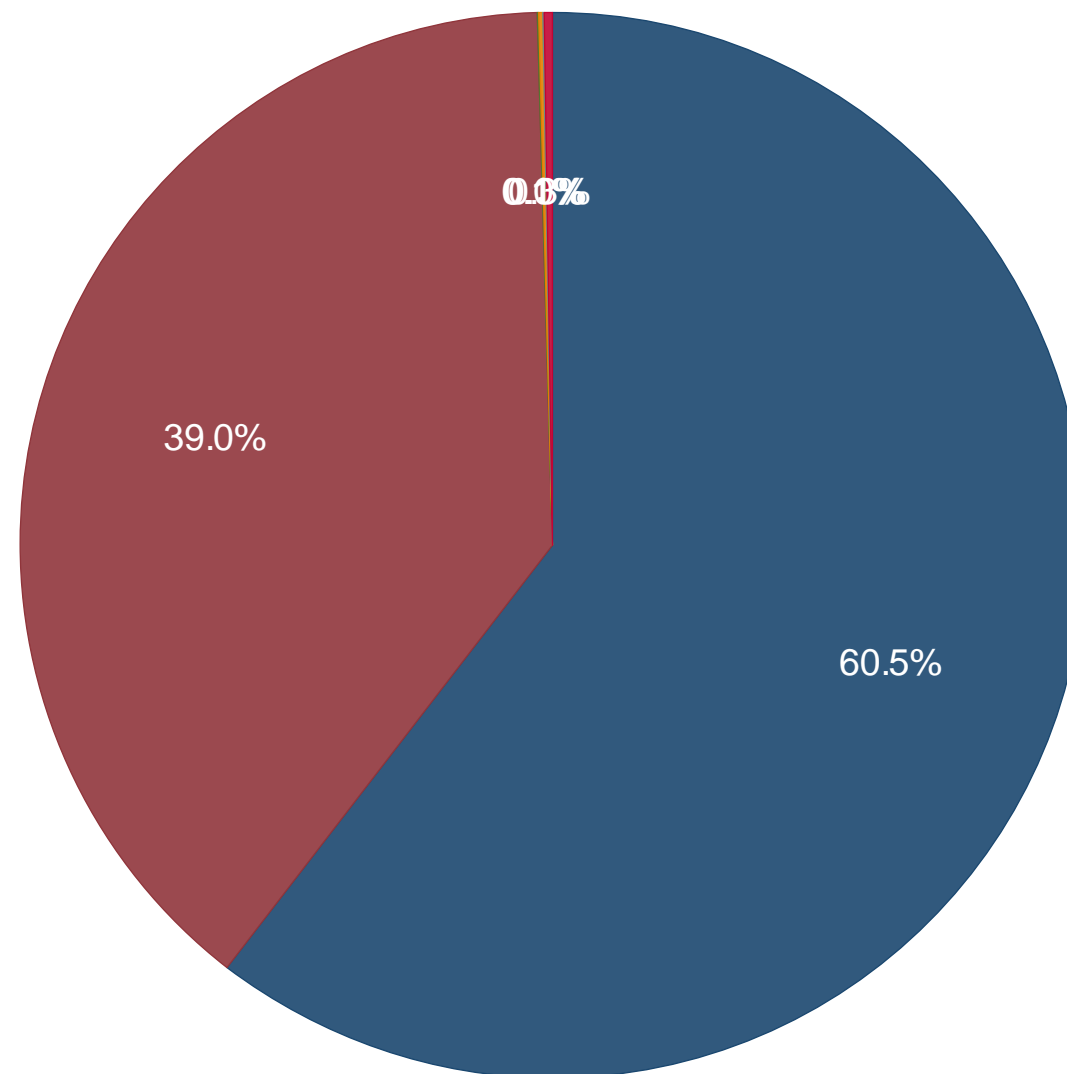
REACH – Time Required to Collect Household Water



(n = 8,348)



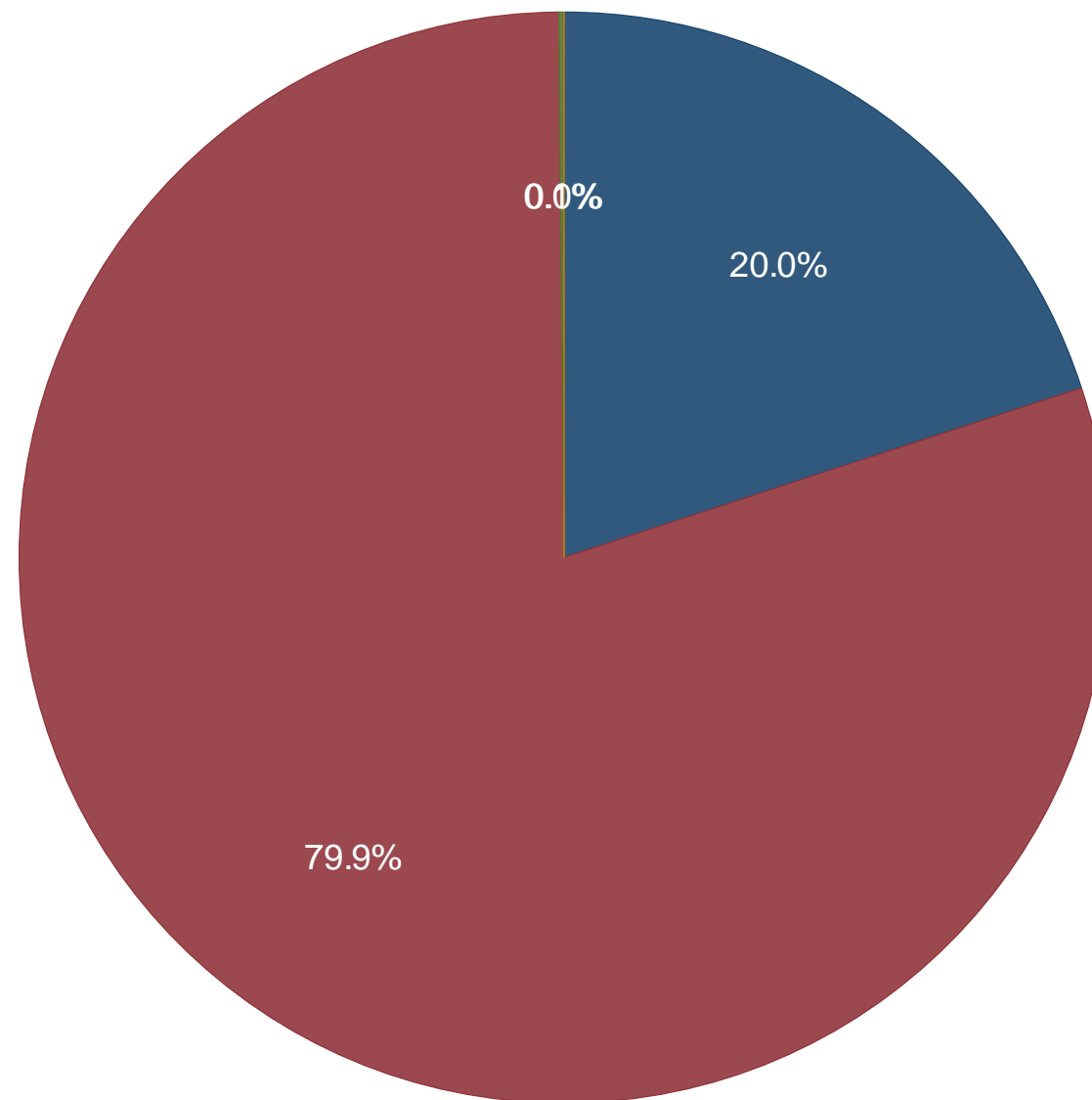
Water Treatment Practice



Source: REACH Baseline Survey



Handwashing Practice



Water only

Water and Soap

Ash

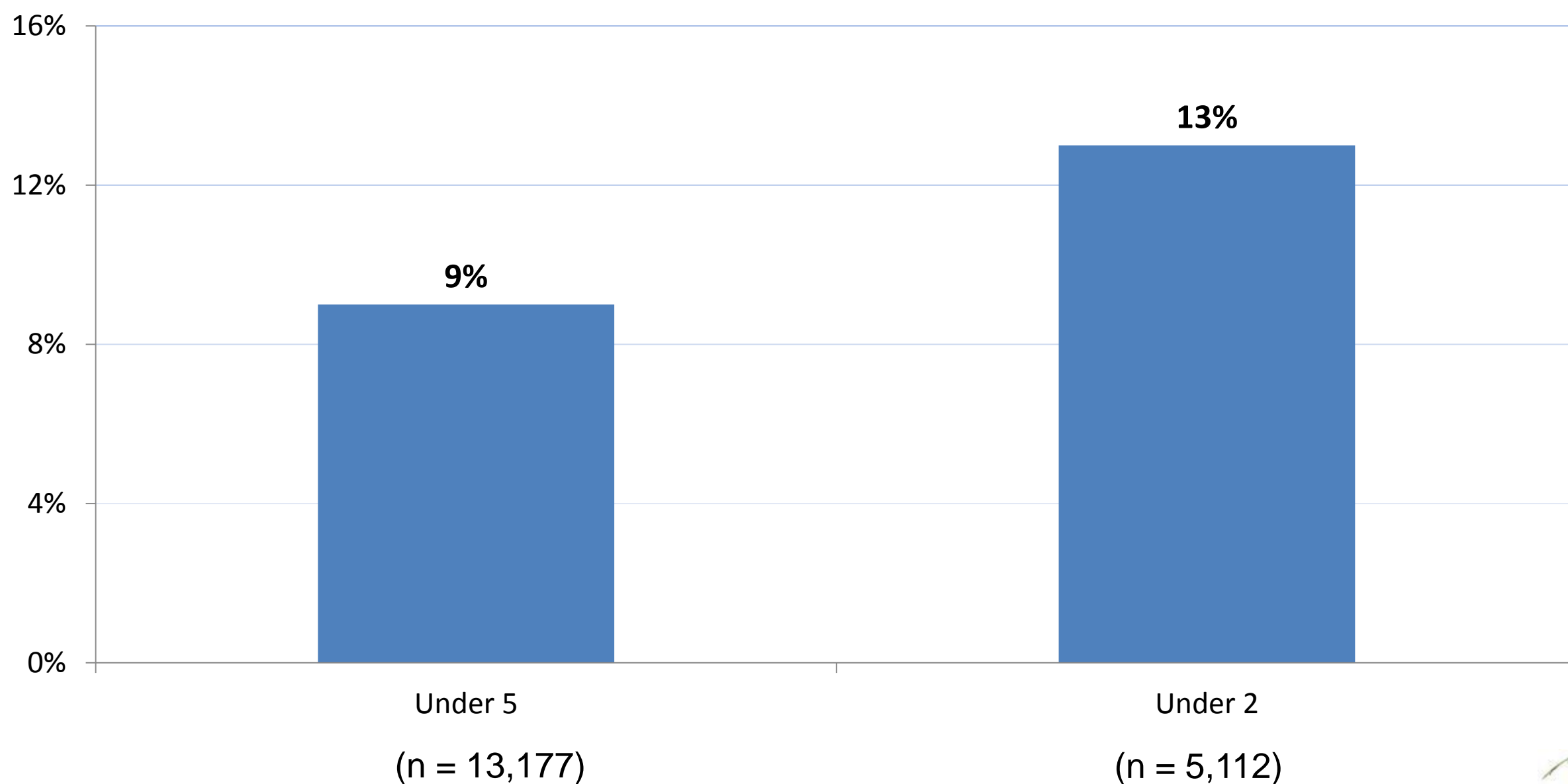
Other, specify

Source: REACH Baseline Survey



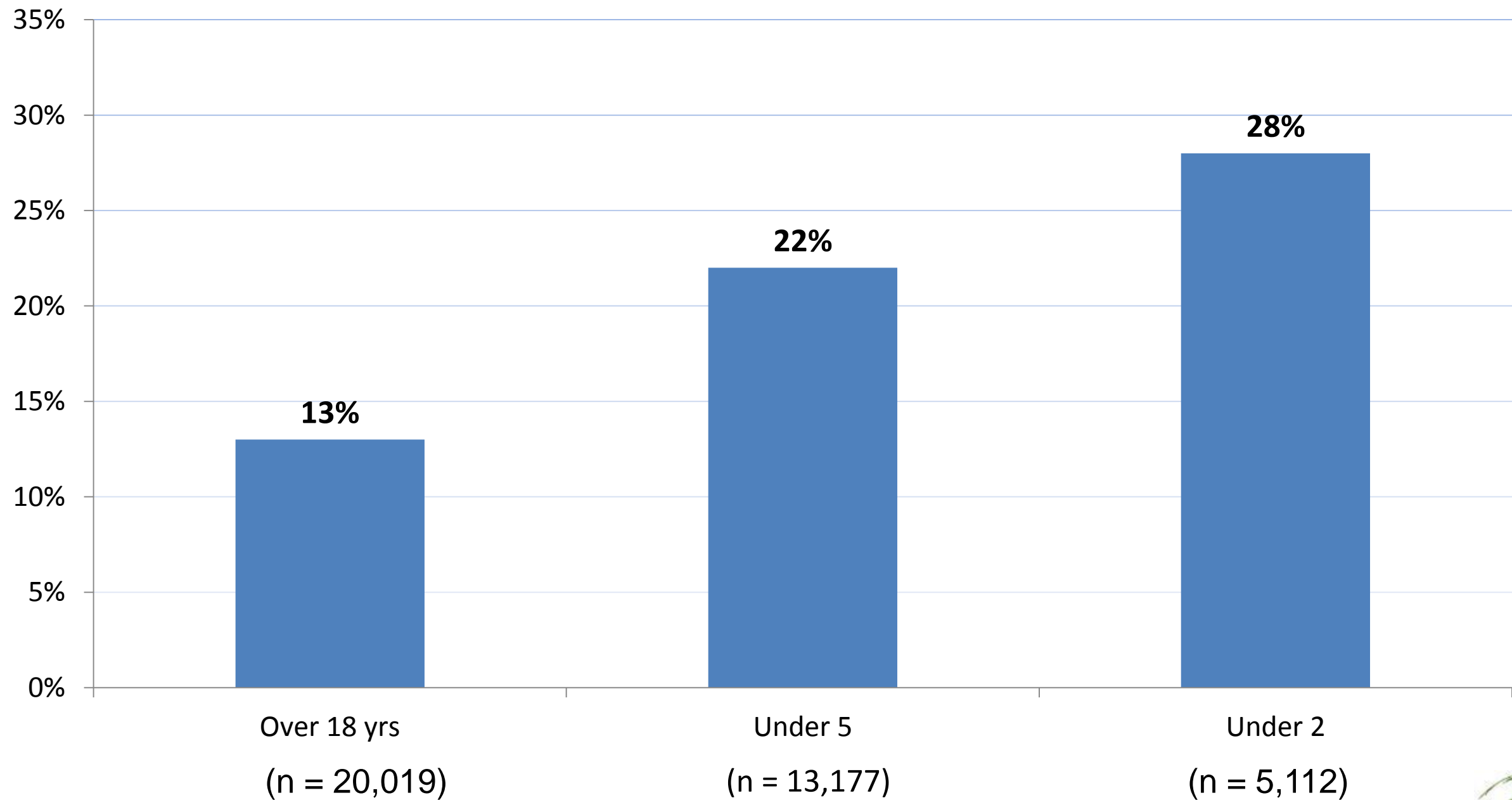
REACH – Reported Diarrhea Prevalence

Caregiver reported diarrhea within last 7 days



REACH – Morbidity

Share who reported illness within past 4 weeks



Balance Test of Assignment

SUMMARY STATS BY ASSIGNMENT							
	CONTROL		CHC LITE		CHC CLASSIC		
	mean	sd	mean	sd	mean	sd	p-value
Fraction of Adults that have completed primary school of higher	0.04	0.07	0.06	0.11	0.04	0.06	0.61
Total Population of households with children<5	339.86	106.34	319.66	122.54	326.48	125.67	0.66
Fraction of children u5_with diarrhea	0.09	0.04	0.08	0.04	0.08	0.04	0.81
Fraction of children u2_with diarrhea	0.13	0.07	0.13	0.07	0.13	0.07	0.98
Fraction of children u5_reporting any illness	0.21	0.06	0.22	0.07	0.22	0.07	0.67
Number of children under 5_LSMS	91.86	30.59	85.38	33.53	87.50	32.52	0.58
Topographical dispersion of community, meters	139.12	61.23	147.05	66.57	151.71	85.15	0.66
WHO_Share_underWeight_u5	0.12	0.05	0.12	0.07	0.12	0.07	0.93
WHO_Share_underHeight_u5	0.14	0.04	0.14	0.05	0.14	0.06	0.72
WHO_Share_underWeight_u2	0.10	0.06	0.09	0.06	0.11	0.06	0.26
WHO_Share_underHeight_u2	0.35	0.11	0.34	0.13	0.34	0.13	0.77
Fraction of households with large livestock	0.33	0.12	0.35	0.12	0.34	0.11	0.56
Wealth index	0.03	0.54	0.11	0.91	-0.01	0.50	0.71



Timeline

<i>Dates</i>	<i>Activity</i>	<i>Partner responsible</i>
Mar, Apr. – Aug. 2013	Baseline data collection	IPA
Nov. – Dec. 2013	Training of EHOs, ASOCs	Rusizi District/MOH Africa AHEAD
Jan. – Aug. 2014	Implementation of CBEHPP in 100 villages (CHC Classic, CHC Lite)	Rusizi District/MOH Africa AHEAD
Feb. – Mar. 2014	Dissemination of comprehensive baseline report and findings	IPA
Jan. – Mar. 2015	Follow-up survey examining health outcomes	IPA
Sept. – Dec. 2015	Endline survey comparing CHC Classic and CHC Lite with the Phased-In	IPA
Jan. – Aug. 2016	Implementation of CBEHPP in 50 Phased-In villages	Rusizi District/MOH Africa AHEAD

