

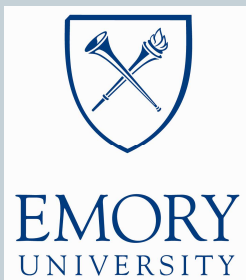
Contributing to an evidence base for policy and funding decisions



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Sustaining and Scaling School Water, Sanitation,
and Hygiene Plus Community Impact

Evidence of Impact

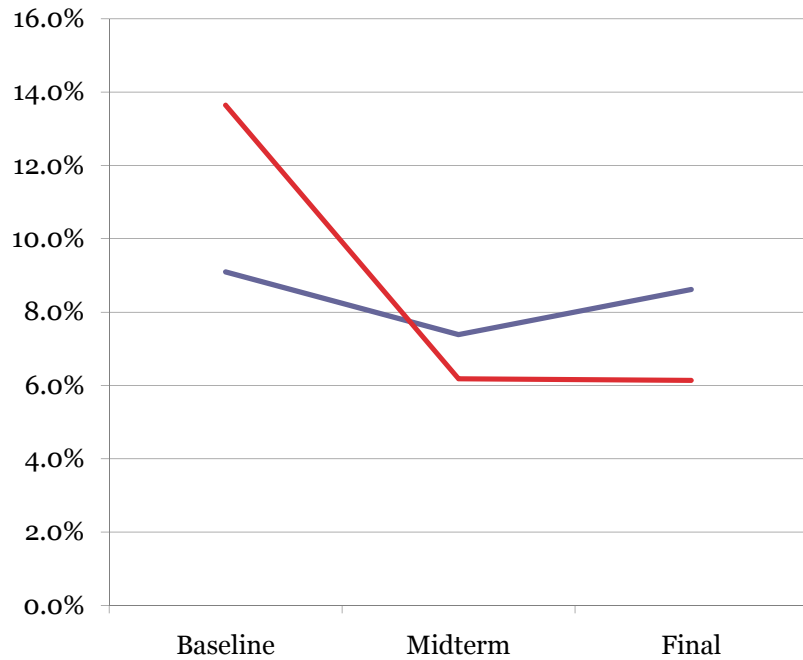
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- Absenteeism due to illness: Girls
 - HW and WT **37% reduction (95% CI 62% to +4%)**
 - +Sanitation **42% reduction (95% CI 66% to 0%)**
 - No significant impact on boys
- Water provision increased absenteeism
 - Potentially due to increased enrollment from water supply improvement
- Ascaris reinfection:
 - HW + Sanitation **Significant reduction in prevalence**
Reduction in worm burden
- Provision of water increases even in schools where only hygiene education was provided

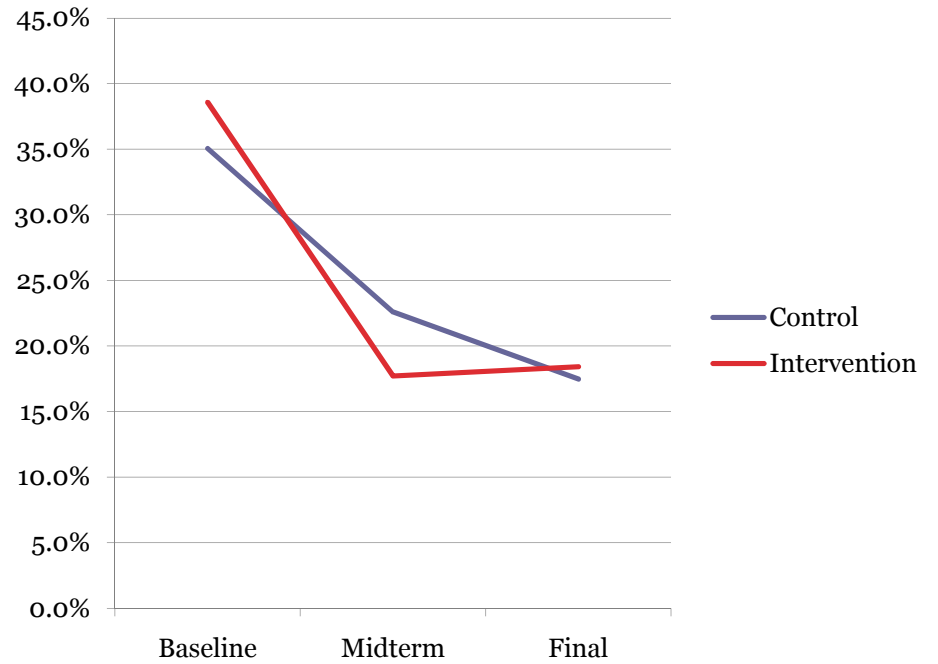
Worm prevalence



Ascaris



At least one worm



Improving school conditions



Variable	WT+HW	WT+HW SAN	Control	Water	Control
Drinking water available day of field visit (%)	***	***		***	
Baseline	55%	42%	55%	46%	56%
Final	69%	83%	13%	83%	23%
Handwashing water available day of field visit (%)	***	***		***	
Baseline	16%	2%	10%	17%	1%
Final	66%	81%	3%	79%	0.0%
Drinking water was treated day of field visit (%)	***	***		***	
Baseline	5%	2%	0%	0%	0%
Final	59%	63%	0%	63%	0%



Equity: Absenteeism in last two weeks by gender and SES quintile

5

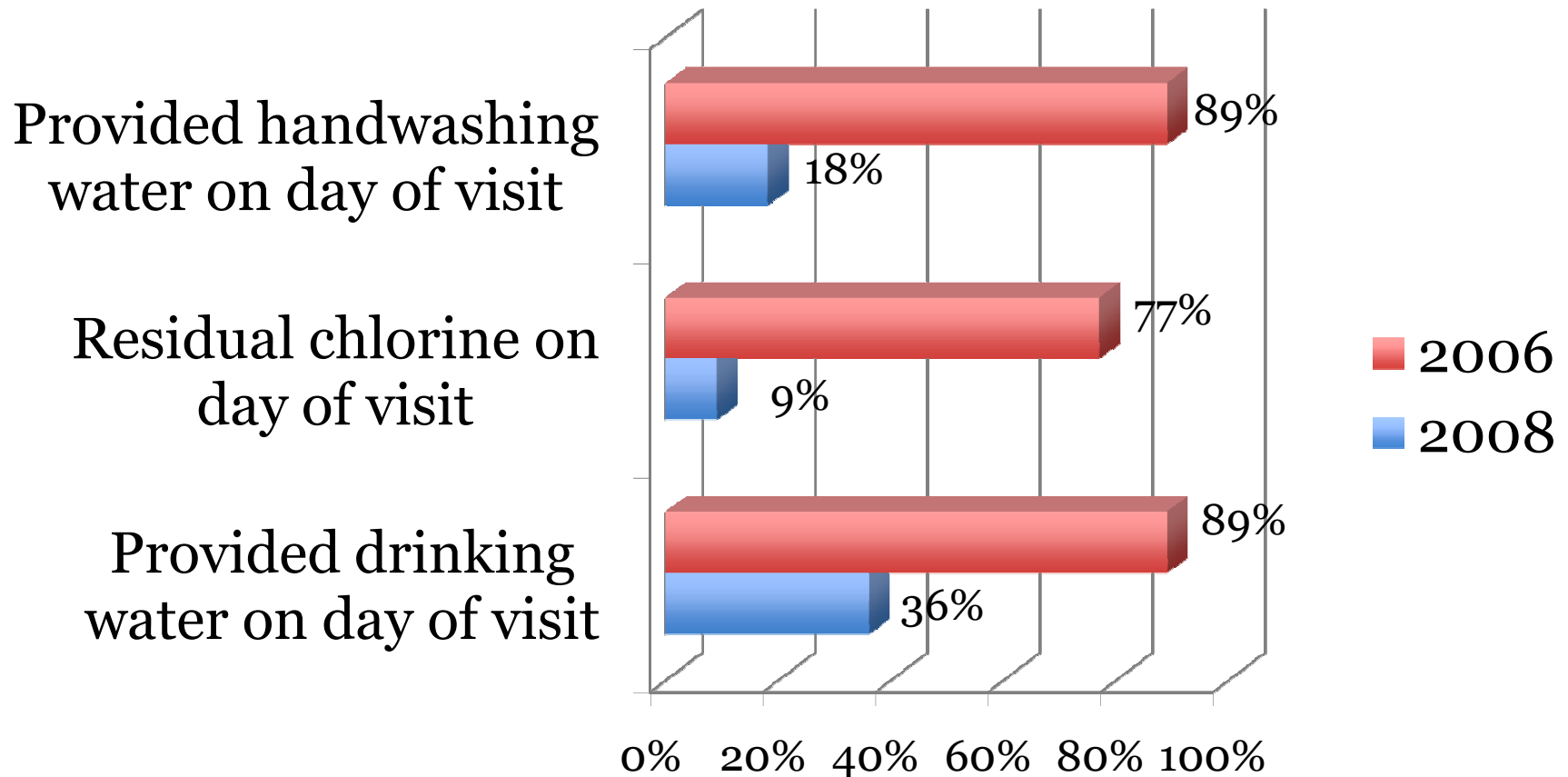
% absent in previous two weeks

Total	19.2%
Boys	17.7%
Girls	20.8%



Sustainability

6

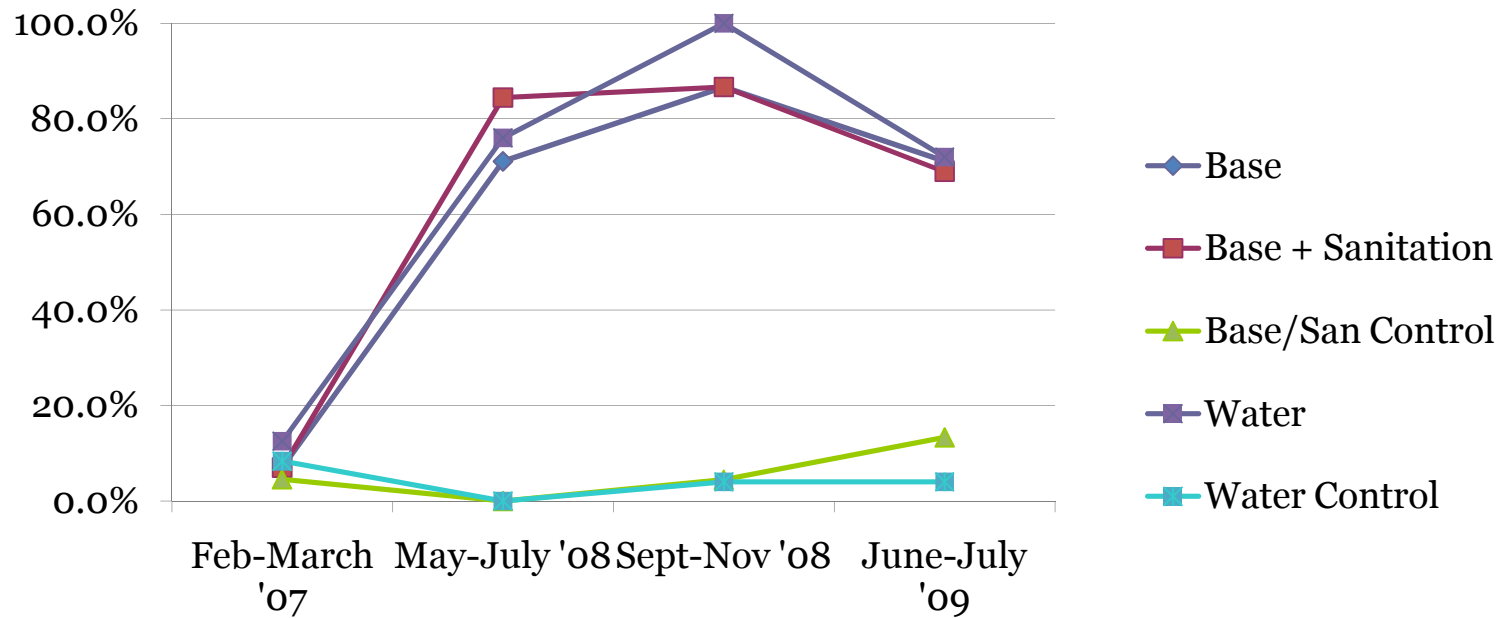




Provision of handwashing water

7

% observed to have handwashing water



Compared to 18% in pilot



Knowledge Opportunities, Gaps, and Next Steps

8

1. **Equity dimensions**
 - Gender and SES
2. **Sustainability**
 - Monitoring approaches and accountability
 - Sustainably technologies for sanitation and soap provision
 - Models for service delivery
3. **Behavioral change and motivators**
4. **Impact of school WASH on educational attainment**
5. **Exposure pathways of pathogens**
 - Understand intermediate outcomes such as use
6. **Engagement with other sectors**
 - Nutrition, NTDs (helminths), education, maternal health

Global Monitoring Systems



- UNICEF report:
 - 46% of schools have water (of 33 countries)
 - 37% have adequate sanitation (of 25 countries)
- There is no mechanism that monitors WASH in schools coverage
 - Ministries know how many teachers and pupils they have, but not the WASH coverage

We require proportion of schools in each country with:

- Sufficient # of usable latrines?
 - Are these latrines well maintained? Private?
- Sufficient quantities of water fit for drinking and hygiene **every day** of the school year?
- Soap available for handwashing?