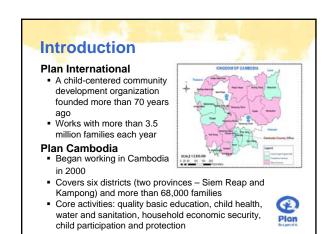
Successful and Cost-effective Rural School Water and Sanitation in Cambodia

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Background

School water and sanitation in Cambodia

- 34.8% of primary and secondary schools in rural Cambodia do not have water.
- 22.4% do not have latrines.

This situation contributes to multiple adverse outcomes.

- High burden of diarrheal and skin diseases
- High drop out rate of girls when their menstruation begins (as schools lack sanitation facilities to ensure privacy)

Project scope

- Since 2004, Plan has constructed water and sanitation
- facilities in 88 rural primary and secondary schools.
- Target population: 232 schools in six districts with 696,000 primary and secondary students





Goal

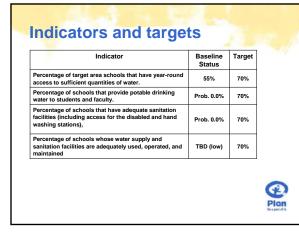
To improve the health status and ensure healthy living environments for children and their communities in Plan target areas.

Objectives

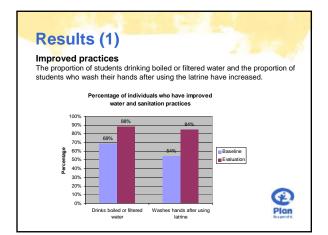
To ensure that primary and secondary schools:

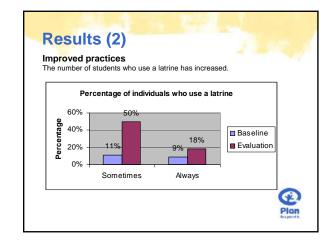
- have adequate supplies of water for drinking and other purposes:
- 2) have adequate sanitation facilities for all students; and
- 3) incorporate child-centered health and hygiene education into their curricula.

Plan



Summary of Methods Assessment of water and sanitation facilities in schools Formation of school water and sanitation committees Provision of clean water through well water connected to ceramic water filters Construction of separate toilet facilities for boys and girls, including a hand washing stall and accessibility for disabled students Training for students, teachers, and committee on œ the operation an maintenance of these water and sanitation facilities. Plan





Results (3)

- 26,400 students (13,728 girls) are now benefiting from improved water and sanitation facilities in schools.
- Outcome: Students were less sick and less absent from school.
- Water supply construction is cost-effective. Assuming a 10-year lifespan of the water supply, each student costs \$1.70 per year.



Views from Participants

"I'm happy to have clean water to drink and latrines to use in my school. My friends and I find it easy to access them at any time. It can make my health better."

-Sreng Hear, 13 years old



Keys to Success

School water and sanitation committees

 To ensure sustainability of water supply and sanitation, the capacity of these committees must be strengthened.

Separate toilets for boys and girls

 To protect privacy and ensure accessibility by all students, school latrine construction should comprise separate toilets for boy and girls and must be easily reachable to disabled students.

Water supply system spare parts

 The water supply system should be simple and spare parts should be available in the nearest market.



Conclusions

- Water and sanitation improvements in rural schools contribute significantly to decreased rates of illness among students, as well as a consequent drop in absence rates, and have be shown cost-effective.
- The government of Cambodia is analyzing the methods and results of this project for potential scale-up in the country.
- The results of this project indicate that rural school water supply and toilet construction should be scaled up to cover additional rural areas.



