



# Lessons from Implementing an Evaluation: HIFIVE FOR HYSAN

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Monitoring & Evaluation Network Forum

Manila, Philippines

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# Agenda

- IDinsight and UNICEF Learning Partnership
- Evaluation context and objectives
- HiFive Evaluation
- Learning Partnership key lessons

# UNICEF – IDinsight Learning Partnership

## Goal

Support UNICEF WASH programs to **generate and use rigorous evidence** to inform decisions on design and scale-up of their interventions

## Approach

Embed IDinsight team in UNICEF country office for 2+ years to respond quickly to evidence needs and opportunities with diverse methodologies

## Activities

IDinsight ran two evaluations to examine:

- A sanitation hardware subsidy policy in Milagros
- A school hand-washing campaign in Puerto Princesa and Camarines Norte

# Evaluation context and objectives

**Aim:** Inform DepEd decision to include *HiFive for HySan* program in national WASH in Schools (WiNS) program

## Context:

- High prevalence of diarrhea, respiratory tract infections, & parasitic infections among children
- Sustainable Development Goals #6 is to “ensure availability and sustainable management of water and sanitation for all”

## Program:

- UNICEF & International WaterCentre designed *HiFive for HySan* intervention to increase pupil independent hand-washing with soap (iHWWS) at critical times in elementary schools to address this through:
  - Using behavioral approach
  - Targeting critical times and independent hand-washing
  - Focusing on supply *and* demand for hand-washing

# Research questions\*

1. Does the *HiFive for HySan* intervention increase the **frequency of independent hand-washing with soap (iHHWS) at critical times** by grade 1-6 pupils at school?
- 2.1. Does *HiFive* increase the **frequency of supervised daily group hand-washing** activities in schools?
- 2.2. Does *HiFive* affect **pupil perception of critical times and motivations** to practice iHWWS?
- 2.3. Does *HiFive* increase availability of:
  - a) **Hand-washing facilities** with soap and water?
  - b) Functional and clean **toilet facilities**?

\*Comparing: [HiFive + WinS] to [WinS only]

# Sampling & treatment assignment

- **Randomized controlled trial:** randomly assigned *HiFive for HySan* intervention to 198 eligible schools
- **Stratified** random assignment by division and “WinS implementation quality index” score

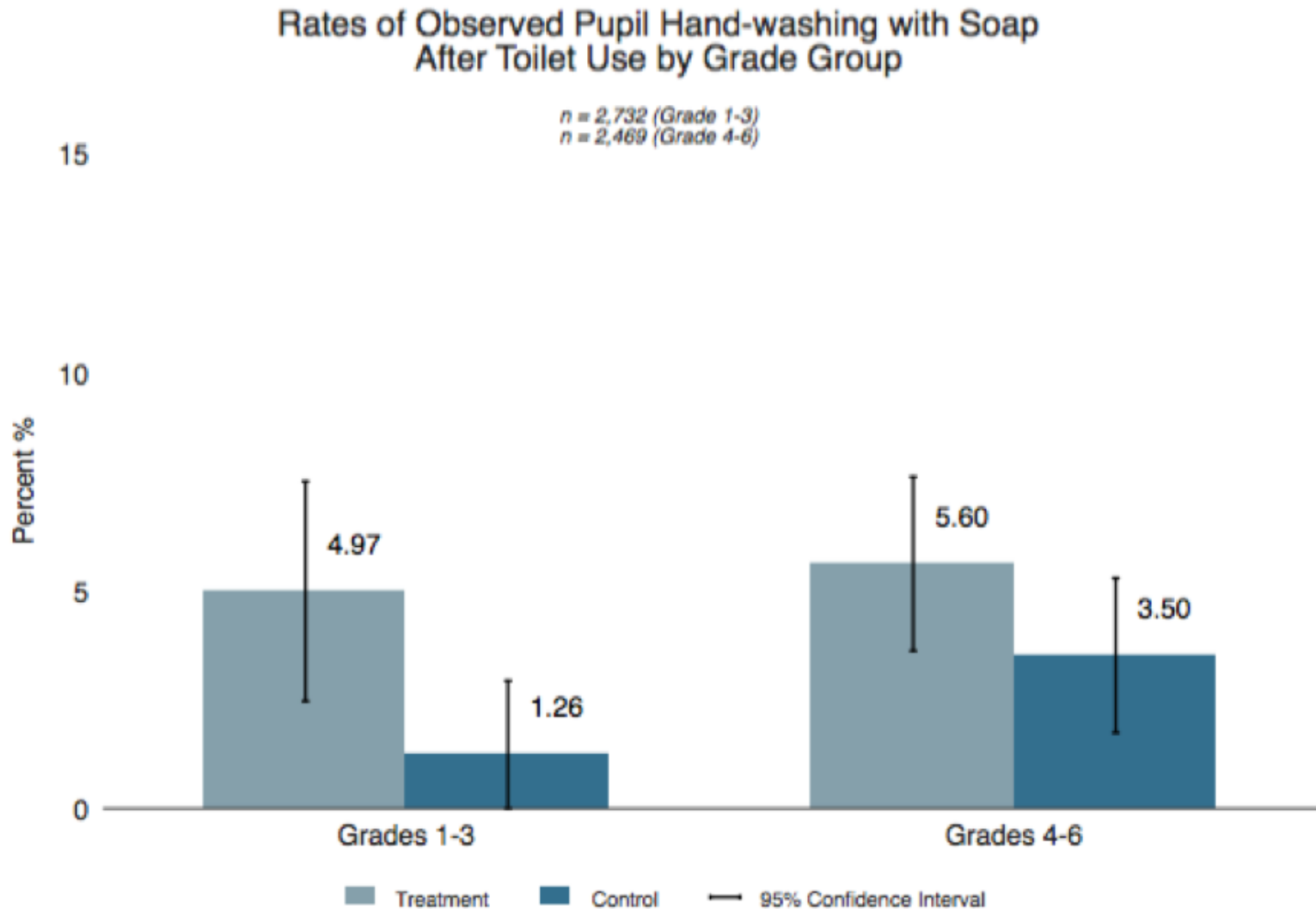
		Puerto Princesa City		Camarines Norte Province	
Total schools		75		253	
Schools meet inclusion criteria		66		130	
2017-18 HiFive schools (T)	2018-19 HiFive schools (C)	33	33	65	65

# Indicators & data collection

Outcomes	iHWWS after toilet use	iHWWS before eating	HW & toilet facilities	Group HW activities	HW attitudes & pupil motivations
Observed	2-hour observation of pupils in 1 section of each grade of school	N/A	Observation of all pupil-accessible facilities	Observation of GHW activities during 2-hour classroom observations	N/A
Reported	Interviews with pupils in grades 4-6 (2 methods)	Interviews with pupils in grades 4-6 (3 methods)	N/A	Interviews with pupils in grades 4-6	Interviews with pupils in grades 4-6

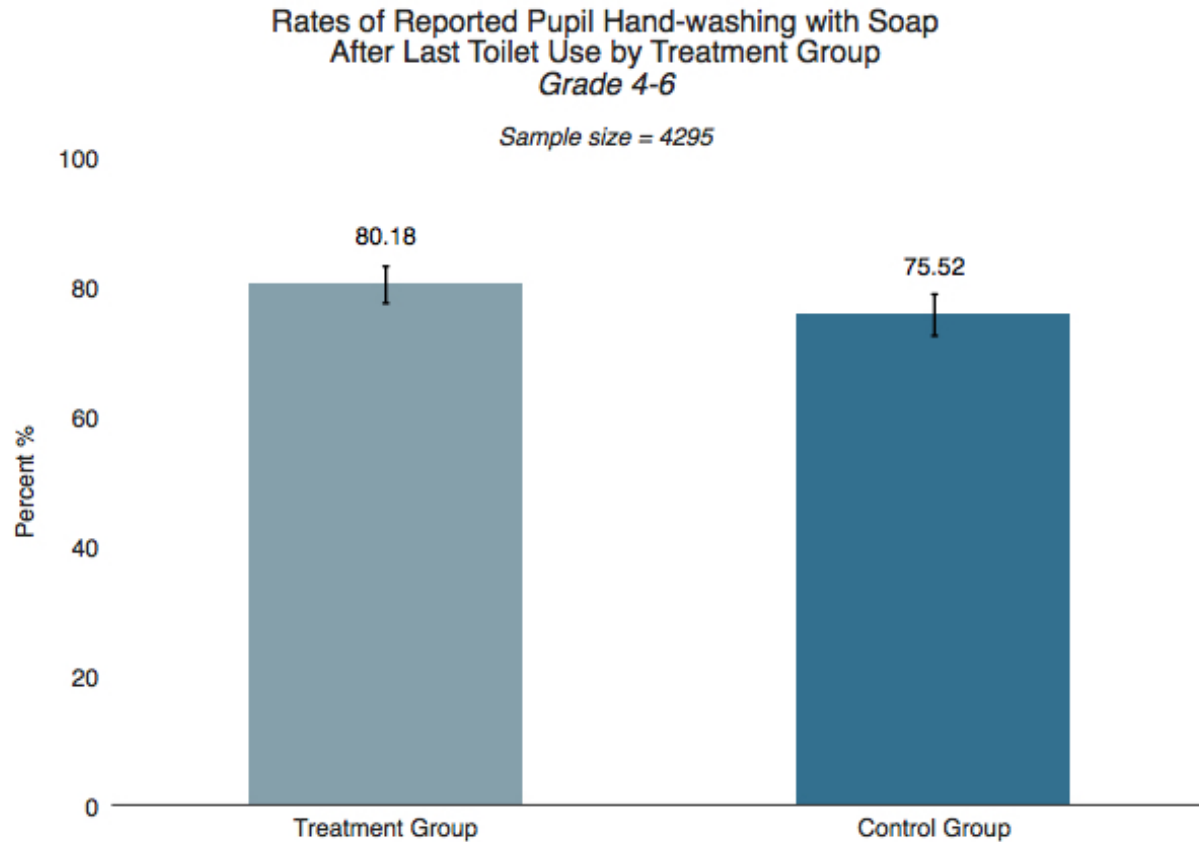
# Small increase of 3.7 pp ( $p=0.03^*$ ) in observed iHWWS after toilet use for grades 1-3

3.3 pp increase in grade 4-6 is not statistically significant ( $p=0.13$ )

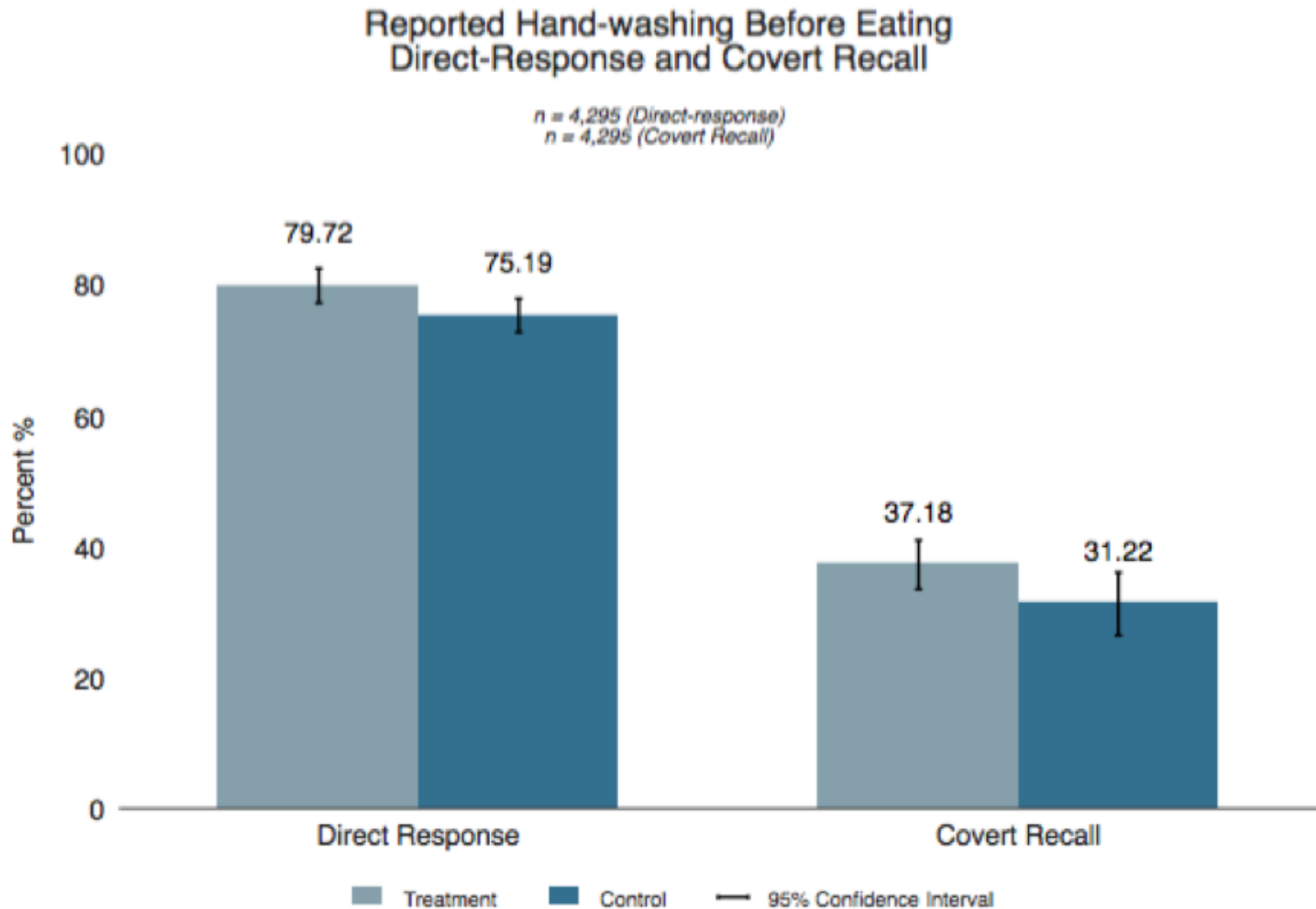




# Small but not statistically significant difference in reported iHWWS after toilet use for grade 4-6



# Small but not statistically significant difference in reported iHWWS before eating for grade 4-6



# Results & decisions

## Findings

- HiFive did not achieve substantial improvements in hand-washing levels; overall levels are low
- Access to hand-washing facilities with soap does not appear to be the key constraint to iHWWS, and increased as a result of HiFive
- Significant change in pupil iHWWS behavior and motivations through HiFive activities has yet to be achieved

## Next steps

- DepEd decided not to scale *HiFive for HySan* nationally in the 2018 school year
- DepEd, UNICEF, and IWC updated *HiFive for HySan* intervention by:
  - Integrating messages into regular curriculum delivery mechanisms through Detailed Lesson Plans (DLPs)
  - Revising some tools to make easier for teachers and students to use
  - Streamlining monitoring so that program is tracked weekly by principals and DepEd

# HiFive Evaluation: Phase 2

- IDinsight is currently conducting a **Round 2 evaluation on the updated *HiFive for HySan* program**
  - Study uses a pre-post design for the 98 RCT control schools
  - Research questions are focused on whether iHWWS has increased as a result of HiFive and how effectively the HiFive program has been implemented
- Results will be available in February 2018 and will inform DepEd decisions about the HiFive program's future

# Learning Partnership Lessons

- **Embeddedness is central** to understanding the program and identifying evidence needs / questions not immediately obvious
- **Capacity building is mutually beneficial**, allows evaluation team to identify needs and focuses on implementation team “mind-set shift”
- **Longer time-lines** (~2.5 years min.) for integration and alignment with program cycle, esp. for question sourcing & follow-up
- A **suite of evaluation methodologies** should be considered, as not all decision-relevant questions in need of better evidence lend themselves to an impact evaluation
- **Alignment of key stakeholders** and funding from beginning is critical for follow-up & scaling