Rural Sanitation Integration with *Pantawid Pamilya* Conditional Cash Transfer Program
Philippines

Claire Chase
UNC Water and Health Conference
October 14, 2014

In partnership with...
Background & Motivation

• Pantawid Pamilya – Conditional Cash Transfer (CCT) Program
  • 15 million beneficiaries nationwide
  • Health cash grants conditional on preventive health visits, vaccines and deworming

• Rural Sanitation
  • Substantial overlaps between CCT beneficiaries and those who lack access to sanitation: poorest quintile 50% defecate in open and 15% use unimproved facilities

Program reduced severe stunting and among very poor young children, but no impact on average height-for-age
Causal Model

Nutrition

Environment (Pathogens)

Under-nutrition (Stunting)
## Elements of Integration & Program Objectives

<table>
<thead>
<tr>
<th>Program Element</th>
<th>Objective</th>
<th>Reduces Cost</th>
<th>Increases Effectiveness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poverty Targeting System (CCT)</td>
<td>Improve Targeting of Poor</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Family Development Sessions (CCT)</td>
<td>Enhance Promotion &amp; Behavior Change</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Community Led Total Sanitation (Sanitation)</td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Supply-side Strengthening (Sanitation)</td>
<td>Increase Sanitation Product Supply</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Savings &amp; Loan products; Subsidies (Sanitation)</td>
<td>Ease Budget Constraint</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>
Theory of Change

Preventive health visits, vaccines, deworming
Family Development Sessions
CLTS Promotion
Supply Strengthening
Savings & loan products
Subsidies
Cash grants
Poverty Targeting

Demand
Information / Demand
Supply
Income / Credit

Improved Sanitation

Nutrition
Environment (Pathogens)

Under-nutrition (Stunting)

= CCT
= Sanitation
= Both
# Challenges and Risks

<table>
<thead>
<tr>
<th>Challenge / Risk</th>
<th>Likelihood</th>
<th>Impact</th>
<th>Mitigation Strategy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Implementation</td>
<td>Moderate</td>
<td>High</td>
<td>Engagement of local partners; oversight of implementation</td>
</tr>
<tr>
<td>Ability to pay</td>
<td>Moderate</td>
<td>High</td>
<td>Develop affordable sanitation options; Financial Safeguards</td>
</tr>
<tr>
<td>Household vs. Community targeting</td>
<td>Moderate</td>
<td>Moderate</td>
<td>Coordination with village level CLTS to ensure ODF achieved; targeting of poor non-beneficiaries</td>
</tr>
<tr>
<td>Sanitation not conditional</td>
<td>High</td>
<td>Moderate</td>
<td>Encourage output-based subsidy and offer attractive credit terms</td>
</tr>
</tbody>
</table>
Next steps: Impact evaluation

- Demonstrate effectiveness of integration through RCT

- Secure funding to measure longer-term nutrition impact
- Document and disseminate findings
- Scale up

<table>
<thead>
<tr>
<th>Treatment Arm</th>
<th>Barangay Level Treatment</th>
<th>CCT</th>
<th>Promotion (CLTS &amp; FDS)</th>
<th>MFI Products</th>
<th>Subsidy</th>
</tr>
</thead>
<tbody>
<tr>
<td>T4</td>
<td>Subsidy + MFI + Promotion</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>T3</td>
<td>MFI + Promotion</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>T2</td>
<td>Subsidy + Promotion</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>T1</td>
<td>Promotion</td>
<td>✔️</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>C</td>
<td>Control [C]</td>
<td>✔️</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
</tbody>
</table>
Thank You!

Acknowledgements:

Edkarl Galing, Water & Sanitation Specialist & WSP Country Coordinator Philippines, Christian Borja, Economist, WSP, Sabrina Haque, Knowledge Broker / Analyst, WSP, Professor Paul Gertler, Principal Investigator, Dr. Joshua Gruber, Co-Principal Investigator,

In partnership with