Assessing the Impact of Interactive Radio Instruction for the Hardest-to-Reach

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Purpose: Analyze student and teacher data from recent IRI projects to identify trends and compare more recent results with previous research.

Indicators of Success

Improvements in student achievement
• Student test scores
• Needs analyses
• Qualitative observations
• Interviews and focus groups

Improvements in instruction
• Teacher observation scores
• Qualitative classroom observation
• Teacher self-report
• Focus group data
Review of the Research

- Based on student test results from 15 projects (37 records), and teacher observation data from Mali and Madagascar
- Includes all IRI projects implemented by EDC with available (quantifiable) data
- Does not include projects without either quantitative data or control groups

Study Design and Methodology

- Secondary data analysis - no primary data collection or manipulation by researchers
- Effect size in student assessment results for early primary
- Movement between skill levels and levels of development for pre-primary
Outline of IRI Assessment Results

- Pre-Primary Education
- Early Primary Education Core Subjects
- Specific Marginalized Populations
- Teacher Professional Development

Pre-Primary Education: Bolivia (1994-96)

Comparison of Results: Children in Control and Experimental Groups (Bolivia)
Pre-Primary Education: Honduras

% of Rural Respondents in Categories of Development by Treatment Group (Honduras)

Pre-Primary Education: El Salvador (2003-2005)

% of Respondents in Categories of Development by Treatment Group (El Salvador)
Pre-Primary Education: Indonesia (2007-2008)

% of Respondents in Categories of Development (Indonesia)

- Above Average: Pre-Test (17%), Post-Test (32%)
- Average: Pre-Test (67%), Post-Test (56%)
- Below: Pre-Test (5%), Post-Test (4%)

Early Primary Education By Subject: Math

Mathematics Post-Test Effect Sizes by Grade

- Grade 1: Sudan & Zambia (0.41)
- Grade 2: 0.12
- Grade 3: 0.19
- Grade 4: 0.21

Haiti & Zambia
Early Primary Education By Subject: Local Language Literacy

Local Language Literacy Post-Test Effect Sizes by Grade

Early Primary Education By Subject: English

English Post-Test Effect Sizes by Grade
Factors Influencing Learning Outcomes

- Can listeners hear the program?
- Do teachers and learners come to school?
- How much supervision of programming is there?
- What kinds of supportive resources and materials are available?
- Is there a good “fit” between content and audience?

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