

Malawi - Protecting Early Childhood Development Impact Evaluation 2014-2015, Endline Survey

**Berk Ozler - World Bank, Michelle J. Neuman - University of Pennsylvania, Lia
Fernald - University of California, Berkeley**

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Sampling

Sampling Procedure

This study is a cluster-randomized controlled trial with one control arm and three treatment arms. Four study districts (Balaka, Thyolo, Dedza, Nkhata Bay) that provide adequate representation of the regions in Malawi were chosen by the MGCSW for inclusion in the study. Sample size calculations for a multi-site, cluster-randomized trial estimated that 240 CBCCs and 12 children from each of the CBCCs would be necessary to detect small to moderate impacts (0.2 to 0.25 standard deviations) on child development measures (the PPVT, specifically) with 95% confidence and 80% power. A full listing of all CBCCs eligible to receive the intervention from the MGCSW produced only 199 CBCCs in the four districts, however; therefore, all 199 CBCCs were included in the study.

Randomization was conducted in each district separately to ensure that equal numbers of CBCCs were allocated to each of the study arms within each district. To ensure a balance of important baseline characteristics, which are strongly prognostic of cognitive development outcomes of interest, a "block randomization" procedure was used. Information about the variables used for blocking (child anthropometrics and scores on developmental tests) was collected during the baseline survey.

The baseline sample includes 2,120 children, ages 3-4 years, attending the CBCCs from the village. These children were randomly selected (blocked by age and sex) from the group of children attending the CBCCs on the day the baseline data collection teams visited the school. Therefore, selection bias should not be an issue. All 199 CBCCs which participated in the baseline survey were included in the endline sample.

The PECD project focuses on four interventions:

1. Play and learning materials: kit of basic play and learning materials and supplies
2. Caregiver training and mentoring: enhanced 5 week residential training program for caregivers including fieldwork and mentoring
3. Caregiver incentives: small monthly cash incentive to encourage retention and performance
4. Parenting education: 12 group sessions for parents with 3- and 4-year olds focused on practical activities

Control and treatment groups are to receive the following interventions:

1. Control Group: Play and Learning Materials Only
2. Treatment Group 1: Caregiver Training + Play and Learning Materials
3. Treatment Group 2: Caregiver Training + Incentives + Play and Learning Materials
4. Treatment Group 3: Caregiver Training + Parenting Education + Play and Learning Materials

The child respondents (and their respective mothers/guardians) to be interviewed and tested for the PECD endline survey were amongst the initial baseline sample. During the endline (part 1) survey in May-July 2014, the location of all 2,120 baseline children was asked to the CBCCs and communities. The endline sample was determined by taking all children that still live in their original communities (as of mid-2014) as well as a sample of those children who have moved outside their original community and were determined to be trackable. It was expected that child assessments to be administered to all children in the endline sample, regardless of their current location.

Questionnaires

Overview

Part 1 endline PECD survey included following instruments:

- Community-based Childcare Centers (CBCC) Questionnaire
- Classroom Observation
- Child Pre-Tracking Information
- Closed CBCC form (when applicable)

Part 2 endline PECD survey included following instruments:

- Mother/Guardian Questionnaire
- M/G Consent Form
- Mother-Child Observation
- Child Assessment Survey (Hand movements, Leiter Sustained Attention, Number Recall, Triangles, Peabody Picture Vocabulary Test (PPVT), Early Grade Mathematics Assessment (EGMA))

Data Collection

Data Collection Dates

Start	End	Cycle
2014-05-29	2014-07-02	Endline (CBCC-level)
2015-01-19	2015-03-31	Endline (mother and child level)

Data Collection Mode

Computer Assisted Personal Interview [capi]

DATA COLLECTION NOTES

Part 1 endline data collection took place over a period of one day at each Community-based Childcare Center (CBCC). Upon arriving at a center, two enumerators study team introduced the study and administered the CBCC questionnaire to the CBCC director, conducted CBCC observations, and completed the CBCC caregiver interview.

Data Collectors

Name	Abbreviation	Affiliation
Wadonda Consult	WACO	

SUPERVISION

Data collection was overseen by an Education Specialist from the World Bank and local ECD expert from who conducted spot-checks in the field. Spot-checks on data entry were conducted by a local consultant from the World Bank.

Data Processing

No content available

Data Appraisal

No content available

Related Materials

Questionnaires

CBCC Questionnaire - PECD Endline

Title CBCC Questionnaire - PECD Endline
Country Malawi
Language English
Filename pecd_cbcc_qx_endline_english_final.pdf

Child Roster and Child Tracking Form, PECD Endline Survey (May-July 2014)

Title Child Roster and Child Tracking Form, PECD Endline Survey (May-July 2014)
Country Malawi
Language English
Filename pecd_endline_child_tracking_final.pdf

Classroom Observation - PECD Endline Survey

Title Classroom Observation - PECD Endline Survey
Country Malawi
Language English
Filename pecd_malawi_class_obs_endline_final.pdf

PECD 2014 Endline Survey, Closed CBCC Form

Title PECD 2014 Endline Survey, Closed CBCC Form
Country Malawi
Language English
Filename pecd_endline_closed_cbcc_form_final.pdf

Mother/Guardian Survey - PECD 2015 Endline

Title Mother/Guardian Survey - PECD 2015 Endline
Language English
Filename pecd_mothersurvey_english_endline_final.pdf

Child Assessments - PECD Endline 2015

Title Child Assessments - PECD Endline 2015
Language English
Filename pecd_child_assessment_endline_final.pdf

Technical documents

CBCC Endline Survey Field Manual

Title CBCC Endline Survey Field Manual
Country Malawi
Language English
Filename cbcc_endline_cbcc_level_manual_final.pdf

Mother/Guardian Endline Survey Field Manual

Title Mother/Guardian Endline Survey Field Manual
Date 2015-01-27
Language English
Filename pecd_endline_pt_2_field_manual_final.pdf
