

Malawi - Protecting Early Childhood Development in Malawi Impact Evaluation Survey 2013, Midline

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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 included 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. All CBCCs, children, and mother/guardians who participated in the baseline survey were included in the midline 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

Questionnaires

No content available

Data Collection

Data Collection Dates

Start	End	Cycle
2013-05-13	2013-10-17	Midline

Data Collection Mode

Face-to-face [f2f]

DATA COLLECTION NOTES

Midline data collection took place over a period of one day at each 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 roster/interview. The remainder of the data collection team contacted the mothers/guardians of the baseline-selected children to explain the research study to the mothers/guardians and request their participation and permission for their child's participation. Then, the enumerators conducted the mother/guardian interviews using the mother/guardian questionnaire and administered the child developmental assessment tests. All center-level data collection, and a large portion of the child and mother/guardian-level midline data collection was conducted between May and early July 2013. Data collection was put on hold for the remainder of July and August as centers (and schools) are closed in Malawi. In September 2013, data collection resumed to track mother/guardians and children who had relocated outside of the study districts since the baseline study in 2011-2012. All midline data was completed by mid-October 2013.

Data Collectors

Name	Abbreviation	Affiliation
Wadonda Consult	WACO	

SUPERVISION

Data collection was overseen by an Impact Evaluation Field Coordinator from the World Bank who conducted spot-checks in the field as well as data entry.

Data Processing

No content available

Data Appraisal

No content available

Related Materials

Questionnaires

CBCC Questionnaire - PECD Midline

Title CBCC Questionnaire - PECD Midline
Country Malawi
Language English
Filename pecd_cbcc_qx_midline_english_final.pdf

Mother/Guardian Survey - PECD Midline

Title Mother/Guardian Survey - PECD Midline
Country Malawi
Language English
Filename pecd_mothersurvey_english_midline_final.pdf

Child Assessments - PECD Midline

Title Child Assessments - PECD Midline
Country Malawi
Language English
Filename child_assessment_coversheet.pdf

CBCC Classroom Observation Questions

Title CBCC Classroom Observation Questions
Country Malawi
Language English
Filename class_obs_midline_final.pdf

Supplemental Household Roster- PECD Midline

Title Supplemental Household Roster- PECD Midline
Country Malawi
Language English
Filename hh_roster_supplement_english.pdf

Child Tracking Form - PECD Midline

Title Child Tracking Form - PECD Midline
Country Malawi
Language English
Filename pecd_midline_child_tracking_form.pdf

Closed CBCC Form - PECD Midline

Title Closed CBCC Form - PECD Midline
Country Malawi
Language English
Filename pecd_midline_closed_cbcc_form.pdf

CBCC Information Supplement - PECD Midline

Title CBCC Information Supplement - PECD Midline
Country Malawi
Filename pecd_mother_survey_section_6_supplement_english.pdf

Child Immunizations & Health - PECD Midline

Title Child Immunizations & Health - PECD Midline
Country Malawi
Language English
Filename pecd_mothersurvey_2nd_child_supplement.pdf

Technical documents

Midline Survey Field Manual

Title Midline Survey Field Manual
Country Malawi
Language English
Filename midline_field_manual_final.pdf

Protecting Early Childhood Development in Malawi - Rapid Social Response (RSR) Project Information Document

Title Protecting Early Childhood Development in Malawi - Rapid Social Response (RSR) Project Information Document
Author(s) World Bank
Country Malawi
Language English
Filename Project Information Document PECD Malawi.pdf
