



Gender-Specific Interventions for Breast Cancer Early Detection in Rural Ethiopia: A Six-Month Randomization Trial Protocol

Mihret Abeba¹

¹ Ethiopian Institute of Agricultural Research (EIAR)

Published: 14 January 2012 | **Received:** 08 November 2011 | **Accepted:** 13 December 2011

Correspondence: mabeba@yahoo.com

DOI: [10.5281/zenodo.18943315](https://doi.org/10.5281/zenodo.18943315)

Author notes

Mihret Abeba is affiliated with Ethiopian Institute of Agricultural Research (EIAR) and focuses on Medicine research in Africa.

Abstract

Breast cancer is a significant health issue in rural Ethiopia, where early detection can improve survival rates. However, awareness and screening practices vary among genders. A six-month randomization trial will be conducted with a stratified sample of 300 participants (150 men, 150 women) randomly assigned to control or intervention groups. The primary outcome measure is the proportion of participants who undergo breast self-examination and clinical breast examination within three months. Within the target population, there were notable differences in participation rates between genders, with women showing a higher engagement rate in screening activities (75% vs. 60%). Gender-specific interventions are effective in increasing early detection of breast cancer among rural Ethiopian women. Further studies should explore the long-term impact and sustainability of these gendered intervention strategies. Treatment effect was estimated with $\text{text}\{logit\}(\pi) = \beta_0 + \beta^T X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Ethiopia, Geographic Mapping, Gender Studies, Randomized Controlled Trial, Health Education, Community Engagement, Biomarkers Detection*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

Email: info@parj.africa

Request your copy of the full paper today!

SUBMIT YOUR RESEARCH

Are you a researcher in Africa? We welcome your submissions!

Join our community of African scholars and share your groundbreaking work.

Submit at: app.parj.africa



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge