



Community-Based Cancer Screening Programmes in Rural Senegalese Women: An Evaluation of Early Detection and Treatment Outcomes in Lesotho 2012

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Abstract

Rural Senegalese women have limited access to cancer screening services, leading to late-stage diagnoses and poor treatment outcomes. A mixed-methods approach including baseline surveys, follow-up interviews, and health record reviews was employed to assess programme impact. Early detection rates increased from 20% pre-screening to over 45% post-screening, with a significant reduction in advanced-stage cancer cases ($p < 0.001$). Community-based screening programmes significantly improved early detection and treatment outcomes for rural Senegalese women. Further expansion of similar programmes is recommended to increase access and reduce late-stage diagnoses. Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Community-Based Health Interventions, Rural Development, Screening Programmes, Early Detection Strategies, Public Health Policy, Community Participation, Health Outcomes Evaluation*

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