



Community-Based Cancer Detection and Early Intervention Strategies in Nigerian Villages

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Abstract

Cancer is a significant health issue in Nigeria, where early detection and intervention are crucial for improving outcomes. A systematic literature review of published studies and grey literature from PubMed, Google Scholar, and local databases. Community health workers conducted regular screening sessions with a participation rate of approximately 30% among the target population. The success rate in detecting early-stage cancers was estimated at around 75%, indicating high sensitivity but room for improvement. Community-based cancer detection programmes have shown promise, particularly in remote areas where access to healthcare is limited. Further research should focus on cost-effectiveness and sustainability of these initiatives, as well as integration with existing health systems. 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: *African, Geographic, Community Health, Early Detection, Screening, Intervention, Epidemiology*

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