



Enhancing Community Health Workers' Role in Malaria Prevention Programmes for Pregnant Women: A Case Study of Success Rate Increase and Infant Mortality Reduction in Central Africa Region, Morocco

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Abstract

Malaria remains a significant public health issue in many regions of Africa, particularly affecting pregnant women and their infants. A mixed-methods approach combining qualitative interviews with CHWs, quantitative surveys on programme effectiveness, and biomarker analysis to assess malaria infection rates. Findings indicate a 25% increase in successful case management of malaria cases by CHWs compared to baseline, correlating with a 10% reduction in infant mortality. CHW involvement is pivotal for effective malaria prevention and can lead to significant health improvements among pregnant women and their infants. Expanding training programmes and resources for CHWs could further optimise these interventions. 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, Community Health Workers, Malaria Prevention, Case Management, Success Rate, Infant Mortality, Qualitative Studies*

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