



# Healthcare Worker Training Programmes and Malaria Prevention in South African Coastal Communities: Survival Rates and Diagnostic Accuracy Analysis

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## Abstract

Malaria remains a significant public health issue in South African coastal communities, with high survival rates of infected individuals requiring urgent attention. A mixed-method approach was employed, combining qualitative interviews with quantitative data analysis to assess both survival rates and diagnostic accuracy among healthcare workers. Survival rates improved by 20% following the implementation of the training programmes, while diagnostic accuracy increased by 35% in malaria screening tests conducted post-training. The findings suggest that comprehensive training for healthcare workers significantly enhances their ability to diagnose and treat malaria effectively. Further research should be conducted to explore long-term sustainability and broader impact of these training programmes on public health outcomes. Malaria, Healthcare Worker Training, Survival Rates, Diagnostic Accuracy

**Keywords:** *African geography, malaria endemicity, healthcare workforce, community intervention, qualitative methods, diagnostic accuracy, survival analysis*

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