



Engagement Strategies for Tuberculosis Vaccination in Tanzanian Healthcare Facilities: Adoption and Effectiveness Evaluation Over Four Years

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Abstract

Tuberculosis (TB) remains a significant public health concern in Tanzania, with healthcare facilities playing a pivotal role in vaccination efforts. A mixed-methods approach was employed, including surveys, interviews, and observational studies to assess adoption rates and effectiveness. Community engagement interventions led to a significant increase of 20% in vaccine uptake ($n=500$) compared to baseline, with an estimated 95% confidence interval around this effect.

Engagement strategies were effective in improving TB vaccination rates, highlighting the importance of community involvement for public health initiatives. Further research should explore long-term sustainability and scalability of these engagement methods.

Keywords: Tanzania, Community Engagement, TB Vaccination, Public Health, Mixed-Methods Research, Healthcare Delivery, Population-Based Studies

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