Reducing Knowledge Gaps in Preventing Congenital HIV Among Pregnant Mothers Through Health Worker Training in Nairobi, Kenya

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Abstract

Reducing congenital HIV transmission among pregnant mothers is a critical public health challenge in Nairobi, Kenya. A mixed-methods approach was employed including pre- and post-training assessments conducted through surveys and interviews with health workers. Health worker knowledge gaps were reduced by an average of 20% before delivery, indicating significant improvement after training interventions. Training programmes significantly enhanced healthcare workers' understanding of preventive measures for congenital HIV among pregnant mothers in Nairobi. Continuous professional development and regular updates on the latest prevention strategies should be prioritised to maintain high knowledge levels. Congenital HIV, Preventive Measures, Health Worker Training, Knowledge Gaps Treatment effect was estimated with $text\{logit\}(\pi)=beta\,0+\vec{\beta}\,p\,X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *African Geography, Congenital HIV, Implementation Research, Knowledge Gaps, Public Health, Training Programmes, Pregnant Mothers*

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