



Modelling Training Models for Community Health Workers to Mitigate Maternal Anemia in Uganda Rural Areas: A Scoping Review

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Abstract

Maternal anemia is a critical health issue in Uganda's rural areas, affecting maternal and child outcomes. A scoping review approach was employed, encompassing a comprehensive search of literature from multiple databases including PubMed, Cochrane Library, and Google Scholar. The inclusion criteria focused on studies published in English between and that reported training models for CHWs aimed at reducing maternal anemia. The review identified several training models used by CHWs to address maternal anemia, with a majority (60%) focusing on iron supplementation education. However, there was variability in the implementation of these models across different regions. While existing training models show promise, their effectiveness varies and often lacks robust evaluation frameworks. A systematic approach to evaluating CHW training programmes is recommended, incorporating community feedback and using validated metrics for impact assessment. Further research should explore the scalability of these models across different geographical contexts in Uganda. Treatment effect was estimated with $\text{text}\{logit\}(\pi) = \beta_0 + \beta^T p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: Uganda, Community Health Workers, Anemia, Maternal Health, Models, Training, Africa

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