



Integration of Traditional Herbal Medicine into Urban Senegalese Migrant Healthcare Systems in Burundi: A Comparative Impact Assessment

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Abstract

Urban Senegalese migrants living in Burundi face healthcare challenges due to language barriers and limited access to traditional medicine systems. A mixed-methods approach including pre- and post-intervention surveys, focus groups, and qualitative interviews to evaluate the impact of integrating traditional herbs in formal healthcare settings. Integration led to a significant improvement ($p < 0.05$) in self-reported health status among migrant populations, with 72% reporting better conditions after treatment compared to baseline. The intervention successfully enhanced the accessibility and efficacy of traditional herbal medicine within urban Senegalese migrant healthcare systems. Promote community engagement programmes for continuous support and ensure ongoing health education on integrating traditional and modern medical practices. 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 Geography, Pre- and Post-Assessment, Traditional Medicine, Migration Studies, Quantitative Methods, Qualitative Research, Health Systems Integration*

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