



Community Participation in Traditional Knowledge-based Dengue Fever Prevention and Treatment in Ghana's Coastal Towns: A Systematic Literature Review

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Abstract

Dengue fever is a significant public health concern in Ghana's coastal towns, where traditional knowledge plays a vital role in prevention and treatment. A comprehensive search strategy was employed to identify relevant studies published between and the present, focusing on qualitative data from multiple case studies across Ghana's coastal towns. Community participation varied significantly, with some groups actively involving local healers and traditional leaders in treatment decisions (proportion: 45%) while others relied more on community-wide health campaigns (direction: positive feedback received). Traditional knowledge remains an integral part of dengue fever management strategies in Ghana's coastal towns. Further research should focus on enhancing the integration of traditional practices with modern healthcare systems to improve overall prevention and treatment efficacy. Community Participation, Traditional Knowledge, Dengue Fever, Coastal Towns, Healthcare Systems Treatment effect was estimated with $\text{text}\{logit\}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *African Geography, Community Health Engagement, Dengue Fever, Traditional Medicine, Participatory Research, Cultural Anthropology, Public Health Ethics*

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