



Eradication Efforts Against Dengue Fever in Port Elizabeth: A Public Health Awareness Campaign Review in South Africa,

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Abstract

Dengue fever is a significant public health concern in Port Elizabeth, South Africa, with periodic epidemics affecting local populations. A comprehensive literature review and analysis of existing data from official health records, media reports, and academic studies conducted between and . Public awareness campaigns significantly increased knowledge about dengue fever transmission and preventive measures among the population. A survey conducted post-campaign indicated a 30% increase in reported use of mosquito repellents compared to pre-campaign levels. The campaigns were effective in raising public health consciousness, particularly regarding vector control strategies such as using insecticide-treated bed nets and clearing stagnant water sources that serve as breeding grounds for mosquitoes. Further sustained awareness efforts should focus on integrating dengue prevention into community-level initiatives and educational programmes targeting vulnerable populations. 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, Dengue, Epidemiology, Health Education, Intervention Studies, Public Health, Vector Control

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