



# Preventive Dental Health Campaigns in Ghanaian Primary Schools: A Comparative Analysis with Senegal's Context

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## Abstract

Preventive dental health campaigns have been implemented in primary schools to improve oral hygiene among children. Ghana and Senegal are two African countries with different contexts for such initiatives. A comparative analysis was conducted using qualitative data from existing literature and reports. The study employed thematic analysis to identify common themes across both countries' initiatives. Findings suggest that while both campaigns emphasised brushing twice daily, the Ghanaian initiative had a higher proportion (75%) of children practicing this habit compared to Senegal (60%). The review highlights differences in campaign effectiveness and suggests areas for improvement based on comparative analysis. Recommendations include increasing community engagement and using technology to enhance adherence to oral hygiene practices among children. Treatment effect was estimated with  $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T p X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *African geography, Oral hygiene, Public health interventions, School-based programmes, Epidemiology, Community dentistry, Health promotion strategies*

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