



# Community-Based Oral Health Promotion Programmes in Zimbabwean Rural Areas of Senegal: A Longitudinal Study from 2012 to 2012

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## Abstract

The prevalence of oral diseases among school-age children in rural areas of Senegal is high, highlighting a need for targeted intervention strategies. A mixed-methods approach, including surveys, focus groups, and clinical examinations, was employed across three schools per region. Data were collected using a structured questionnaire and visual examination of teeth to assess caries prevalence and oral hygiene. The programme led to an average reduction in caries incidence by 25% compared to baseline levels, with significant improvements in brushing habits observed among participants. Community-based oral health promotion programmes are effective in improving dental health outcomes for school-age children in rural areas of Senegal. Further longitudinal studies should be conducted to assess long-term effects and identify sustainable implementation strategies. oral health, community intervention, Zimbabwe, Senegal, caries prevention Treatment effect was estimated with  $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** African geography, community health interventions, longitudinal studies, oral hygiene education, public health disparities, qualitative research methods, rural development programmes

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