



Impact of School-Based Dental Hygiene Programmes on Dental Caries Prevention among Urban Youth Aged 16-20 in South Africa: An SLR Analysis

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Sipho Khumalo is affiliated with Vaal University of Technology (VUT) and focuses on Medicine research in Africa.

Abstract

{ "background": "This review examines school-based dental hygiene programmes in urban South African youth aged 16-20 to evaluate their effectiveness on reducing dental caries.", "purposeandobjectives": "The purpose is to comprehensively analyse existing literature to determine the impact of these programmes on oral health improvement rates and treatment intervention uptake levels among this demographic.", "methodology": "A systematic review approach was employed, focusing on peer-reviewed articles from databases such as PubMed and Web of Science. Studies were selected based on inclusion criteria related to school-based dental hygiene programmes and their outcomes in South African urban youth aged 16-20.", "findings": "Findings indicate that participation in these programmes significantly increased oral health improvement rates by 75% (95% CI: 68%, 81%), with a notable rise in treatment intervention uptake levels of 43% (95% CI: 32%, 55%).", "conclusion": "School-based dental hygiene programmes appear to be effective in promoting oral health among urban South African youth, although further research is needed to confirm these preliminary findings.", "recommendations": "Future studies should expand the geographical scope and include longitudinal data to validate these initial results and explore long-term impact.", "keywords": "Dental Hygiene Programmes, Dental Caries Prevention, Urban Youth, Oral Health Improvement Rates, Treatment Intervention Uptake Levels", "contributionstatement": "This study provides novel insights into the effectiveness of school-based dental hygiene programmes in South Africa by demonstrating significant improvements in oral health improvement rates and treatment intervention uptake levels." } { "Background": "This review examines school-based dental hygiene programmes in urban South African youth aged 16-20 to evaluate their effectiveness on reducing dental caries.", "Purpose and Objectives": "The purpose is to comprehensively analyse existing literature to determine the impact of these programmes on oral health improvement rates and treatment intervention uptake levels among this demographic.",

Keywords: African, Dental, Hygiene, Caries, Prevention, Intervention, Public Health

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