African Biomechanics in Sport (Social/Health/Applied)

Rural Healthcare Infrastructure Development Projects in Kenya's High-Poverty Areas: Access to Care and Patient Satisfaction Six Months On

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Abstract

Rural healthcare infrastructure development projects are critical for improving access to care in high-poverty areas of Kenya. A mixed-methods approach was employed, including quantitative surveys for assessing access to care rates and qualitative interviews for patient satisfaction evaluations in randomly selected high-poverty areas. Access to healthcare increased by 20% post-project implementation, with a majority of patients (65%) reporting improved satisfaction levels following the infrastructure upgrades. The projects successfully enhanced both access to care and patient satisfaction, with notable improvements in service availability and quality perceived by beneficiaries. Ongoing support for healthcare facilities and further community engagement are recommended to sustain these positive outcomes. Rural Healthcare, Infrastructure Development, Accessibility, Patient Satisfaction, Quantitative Surveys Treatment effect was estimated with $text\{logit\}(\pi) = beta\,0 + \vec{\beta}\ p\ X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *African Geography, Rural Health Services, Development Projects, Community Participation, Mixed-Methods Approach, Healthcare Access, Patient Satisfaction Surveys*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

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