

## Study on Community-Based Hand Hygiene Education and Reduction of Community-Acquired Infections in Children with Limited Healthcare Access

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**Abstract :** This study explores the effectiveness of a community-based hand hygiene education and awareness program in reducing community-acquired infections among children with limited access to healthcare services. Utilizing the PICOT framework, this research evaluates the impact of targeted hand hygiene interventions compared to standard care on infection rates, specifically respiratory and gastrointestinal diseases, over a six-month period. The findings aim to inform public health strategies to improve health outcomes in underserved communities. This study highlights the importance of preventative measures in addressing healthcare disparities and enhancing community resilience.

**Keywords :** community-based education, hand hygiene, infection prevention, underserved communities

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