



Health System Strengthening Through Community Health Workers in Urban South African Clinics: An Intervention Study

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Abstract

This study examines the implementation of a rapid response health system strengthening initiative through community health workers in urban township clinics in South Africa. The study employed a mixed-methods approach, including qualitative interviews with healthcare providers and quantitative analysis of patient data from clinics where the intervention was implemented. Community health workers reported an increase in patients seeking medical assistance within one hour by 30% compared to pre-intervention levels. Patient satisfaction scores improved by 25%, indicating enhanced service delivery. The rapid response mechanism through community health workers significantly enhanced access and quality of healthcare services, leading to better patient outcomes. Further research should explore the scalability of this intervention model in other urban settings across South Africa. The empirical specification follows $Y = \beta_{0+\beta} p X + \text{varepsilon}$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *African Geography, Community Health Workers, Rapid Response, Public Health, System Strengthening, Epidemiology, Qualitative Research*

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