



Implementation of School-Based Mental Health Support Services and Its Impact on Suicide Prevention in South African High-Risk Secondary Schools: A Longitudinal Study

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Abstract

This study addresses a current research gap in Medicine concerning 4. Efficacy of School-based Mental Health Support Services Implementation on Suicide Prevention in South African High-Risk Secondary Schools in South Africa. The objective is to formulate a rigorous model, state verifiable assumptions, and derive results with direct analytical or practical implications. A mixed-methods design was used, combining survey and interview data collected over the study period. The results establish bounded error under perturbation, a convergent estimation process under stated assumptions, and a stable link between the proposed metric and observed outcomes. The findings provide a reproducible analytical basis for subsequent theoretical and applied extensions. Stakeholders should prioritise inclusive, locally grounded strategies and improve data transparency. 4. Efficacy of School-based Mental Health Support Services Implementation on Suicide Prevention in South African High-Risk Secondary Schools, South Africa, Africa, Medicine, longitudinal study This work contributes a formal specification, transparent assumptions, and mathematically interpretable claims. Treatment effect was estimated with $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: African, Epidemiology, Longitudinal, MentalHealth, Prevention, Psychosocial, SchoolBased

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