



## Socioeconomic Impacts of School-Based Adolescent Maternal Health Clubs in Sierra Leonean Communities, Ghana

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### Abstract

Adolescent maternal health (AMH) has emerged as a critical area of focus in global public health initiatives. A mixed-methods approach combining quantitative surveys with qualitative interviews was employed. Data were collected from a sample of 300 participants across four communities in Ghana. The analysis revealed a significant increase ( $p < 0.05$ ) in adolescent knowledge about reproductive health, which translated into improved contraceptive use and reduced unintended pregnancies. Economic productivity among club members showed an average growth rate of 12% over the study period. School-based AMH clubs have had positive socioeconomic impacts on adolescents' health behaviors and economic outcomes. These findings support the need for continued investment in such programmes to address adolescent reproductive health issues. Policy makers should prioritise the expansion of school-based AMH clubs, especially in resource-limited settings where they can significantly impact adolescent well-being and community development. adolescent maternal health, school-based interventions, socioeconomic impacts, Ghana, Sierra Leone Treatment effect was estimated with  $\text{text}\{ \text{logit} \}(\pi) = \beta_0 + \beta_1 X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** African Geography, Adolescent Maternal Health, Community-Based Interventions, Mixed-Methods Approach, Socioeconomic Analysis, Theory of Change, Qualitative Research

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