



# Adolescent Reproductive Health Curriculum Adoption and Academic Performance in Kenyan Schools,

Chirchir Muthomi<sup>1</sup>

<sup>1</sup> Kenya Agricultural and Livestock Research Organization (KALRO)

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**Correspondence:** [cmuthomi@hotmail.com](mailto:cmuthomi@hotmail.com)

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## Author notes

*Chirchir Muthomi is affiliated with Kenya Agricultural and Livestock Research Organization (KALRO) and focuses on Medicine research in Africa.*

## Abstract

Adolescent reproductive health (ARH) education is crucial for young people's development and well-being in Kenya. A mixed-methods approach was employed, including pre- and post-curriculum assessments to measure student knowledge gains, alongside surveys assessing teacher perceptions and student attitudes towards ARH education. Pre- and post-tests indicated an average improvement of 15% in students' understanding of ARH concepts after curriculum implementation, with a significant increase in self-reported confidence during class discussions ( $p < 0.05$ ). The study supports the efficacy of integrating ARH education into school curricula to enhance student learning and engagement. Schools should prioritise ARH education as part of their comprehensive health curriculum, with ongoing professional development for teachers in this area. Treatment effect was estimated with  $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta_1 X$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *African Geography, Adolescent Reproductive Health, Curriculum Adoption, School-Based Education, Mixed-Methods Design, Evaluation Metrics, Youth Development*

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