



Nutritional Interventions Enhance School Performance in Urban Senegalese Girls

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Abstract

Urban Senegalese girls face challenges in academic performance due to nutritional deficiencies. A longitudinal study design was employed with pre- and post-intervention assessments using standardised educational tests. Nutritional status improved significantly after intervention (mean increase in hemoglobin levels by 12 g/L), leading to a notable rise in school performance scores (average improvement of 5% in test scores). Nutrition interventions are effective in enhancing school performance among urban Senegalese girls. Schools and communities should prioritise nutritional support programmes for adolescent girls. Senegal, nutrition, school performance, adolescent girls, longitudinal study Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^{-1} p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: Sub-Saharan, adolescent, intervention, nutrition, growth hormone, longitudinal, anthropometrics

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