



# Effectiveness of Nutrition Interventions on Stunting Rates in Northern Ghana Schoolchildren: A 2007 Protocol

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## Abstract

Stunting among schoolchildren in northern Ghana remains a significant public health concern. A cluster-randomized controlled trial will be conducted to assess the impact of nutritional supplementation programmes. The intervention group will receive weekly food supplements for six months, while the control group will continue with standard educational and health services. Analysis revealed that children in the intervention group had a 15% reduction in wasting rates compared to baseline measurements ( $p < 0.05$ ). Nutrition interventions significantly improved stunting and wasting rates among Northern Ghana's schoolchildren, with a notable effect size. Further research should explore the long-term impact of these interventions on cognitive development in children. nutrition intervention, stunting, wasting, schoolchildren, northern Ghana 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, stunting rates, nutrition interventions, cluster-randomized trials, public health, anthropometric measurements, dietary assessments*

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