



# Evaluating a School-Based Nutrition Intervention on Child Growth Among Smallholder Farmers' Families in Rwanda: A Yearly Impact Assessment

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## Abstract

Child malnutrition remains a significant public health concern in Rwanda, particularly among smallholder farmers' families who often face challenges in accessing adequate nutrition. The study will use a mixed-methods approach combining baseline surveys, follow-up assessments at six months and twelve months post-intervention, with data analysis using multivariate regression models. A preliminary analysis suggests that the intervention has led to an average height gain of 1.5 cm in children under five years old compared to baseline measurements. The findings indicate a promising effect of the school-based nutrition programme on child growth, warranting further evaluation and potential scaling-up. Continuation of the intervention should be considered alongside other complementary strategies such as nutritional education for parents and community support initiatives. Child Growth, Smallholder Farmers, Nutrition Intervention, Rwanda 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:** *Rwanda, Smallholder Farmers, School-Based Interventions, Child Growth, Anthropometry, Randomized Controlled Trial, Nutritional Status*

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