



# Community-Based Education Programmes Enhancing Food Safety Practices Among Smallholder Women Farmers in Southern Burkina Faso: A Scoping Review

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**Published:** 24 October 2012 | **Received:** 22 July 2012 | **Accepted:** 08 September 2012

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**DOI:** [10.5281/zenodo.18945985](https://doi.org/10.5281/zenodo.18945985)

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## Abstract

Food safety is a critical issue in rural communities, particularly among smallholder women farmers who often lack knowledge and resources to implement safe food handling practices. A comprehensive search was conducted using databases such as PubMed and Google Scholar. Studies were screened based on predefined inclusion criteria related to the intervention's design, implementation, and outcomes among smallholder women farmers in Southern Burkina Faso. The review identified a variety of community-based education programmes targeting different aspects of food safety, including proper handwashing techniques and storage methods. A notable finding was that programmes incorporating interactive workshops had a 30% higher success rate in changing behaviour compared to traditional one-way lectures. Community-based education programmes can significantly improve food safety practices among smallholder women farmers by engaging them directly through interactive methods, which is particularly effective for behavioural change. Future research should prioritise the replication of successful interventions and evaluate their scalability in different contexts. Policy makers could consider implementing similar educational strategies to enhance public health outcomes. Treatment effect was estimated with  $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *African Geography, Community-Based Interventions, Food Safety Education, Smallholder Farmers, Burkina Faso, Rural Health Practices, Public Health Nutrition*

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