

Rural entrepreneurship and food insecurity in Ghana



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Introduction

- Non-farm enterprises reduce rural poverty and food insecurity by diversifying household income.
- Significant progress has been made in reducing the proportion of undernourished people in Ghana.
- However, Ghana's progress in achieving food security has been uneven, with large variations across localities and socioeconomic groups.

Objectives

Results

decomposition

To measure the food insecurity profiles



Methodology

- Data from the Ghana Living Standards Survey (GLSS 7), October 2016 - October 2017.
- Composite index of household food insecurity (FII) by counting methodology (Alkire and Foster, 2011a)
- The AF measures the incidence and intensity of multidimensional deprivations over defined indicators.
- Households are identified to be deprived on each indicator based on a defined threshold.

household and estimate the causal relationship between household participation in nonagricultural enterprises and food insecurity within a multidimensional poverty framework in rural Ghana.

Table 1 – Profiles of household food insecurity index and sub-group

The weighted indicators range from 0 to 1, where 0 implies that a household is not deprived on any of the indicators and 1 if a household is deprived on all eight indicators.

Results

Table 2 – The effect of NFE participation on household food insecurity

	Incidence (H)	Intensity (A)	FII (H × A)		Full		Male-headed		Female-headed	
Full sample	0.651	0.757	0.493		(1)	(2)	(3)	(4)	(5)	(6)
	(0.017)	(0.008)	(0.015)	Variables	Food secure	NFE	Food secure	NFE	Food secure	NFE
				NFE participation	-0.250*** (0.062)		-0.310*** (0.071)		-0.039 (0.140)	
Sex of HH head				L-O-M NFE participation		0.516*** (0.035)		0.530*** (0.040)		0.481*** (0.078)
Male	0.648 (0.019)	0.762 (0.008)	0.494 (0.016)	Constant	0.873*** (0.055)	-0.116** (0.058)	0.864*** (0.059)	-0.133** (0.064)	0.989*** (0.140)	0.149 (0.057)
Female	0.661 (0.026)	0.739 (0.013)	0.489 (0.020)	Observations R-squared Number of districts Control mean	5,829 198 0.688	5,829 0.083 198	4,477 198 0.690	4,477 0.090 198	1,352 180 0.678	1,352 0.083 180
				District FE	YES	YES	YES	YES	YES	YES

Around 64% of households expressed concerns about food scarcity, with 63% unable to eat healthy and nutritious food, while 67% lacked dietary diversity, and only 12% experienced a day without food.



Households engaged in NFE are 36% less

65 % of households are food insecure and deprived on 76% of the indicators, resulting in a household food insecurity index of 0.49.

Conclusion

- Access to rural bank services improves NFE growth
- Government should programmes prioritise support for rural NFEs

Household participation in NFE activities likelihood the reduces of being multidimensionally food insecure.

likely to be food insecure than non-NFE households

- NFE participation reduces the likelihood of food insecurity by 45% among maleheaded households compared to non-NFE male-headed households.
- There is a significant negative effect of NFE participation on food insecurity for male-headed households, but no effect for female-headed households.

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Fig.1 food security activates