

From Farm to Nutrition: Connecting the dots between dimensions of food security and nutrition security in India

D4N 2025

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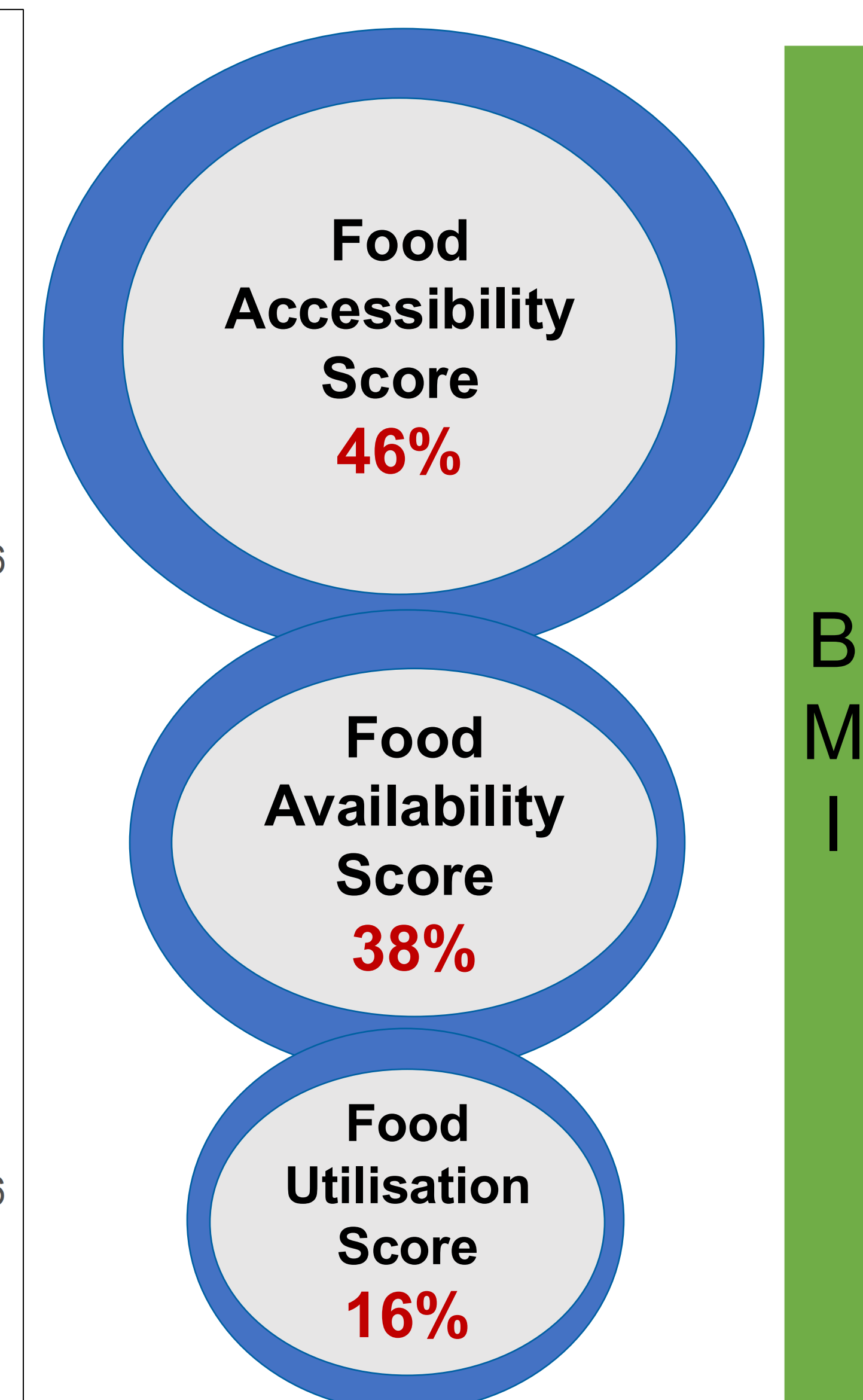
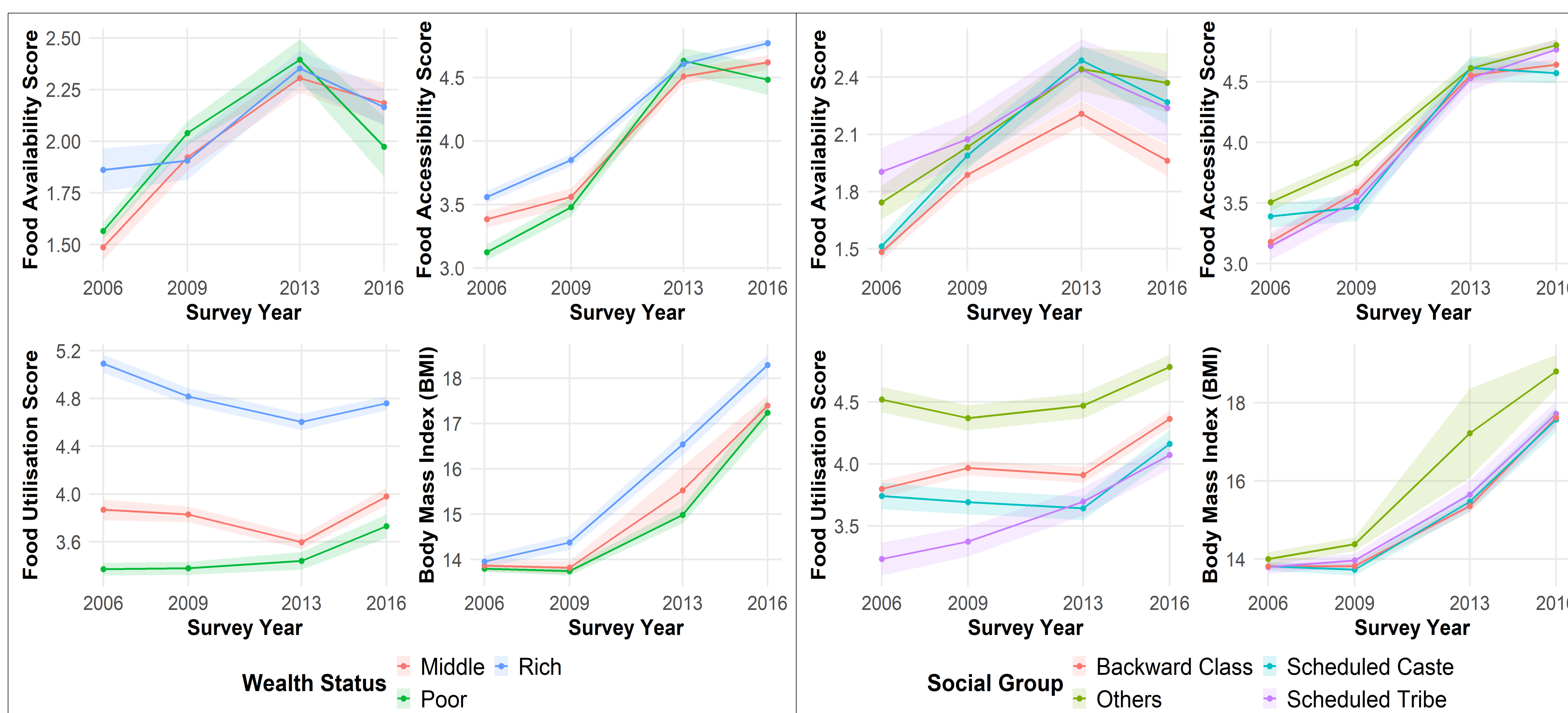
BACKGROUND

- Eliminating hunger by 2030 cannot be achieved without recognising the complex interplay between **supply-driven production system** and **demand-driven access and utilisation system**, that together shape nutritional outcome.
- This study examines the linkage of each dimension of food security with nutritional well-being among children in India.
- This study quantifies the relative contribution of each dimension of food security to nutritional security.

METHODS

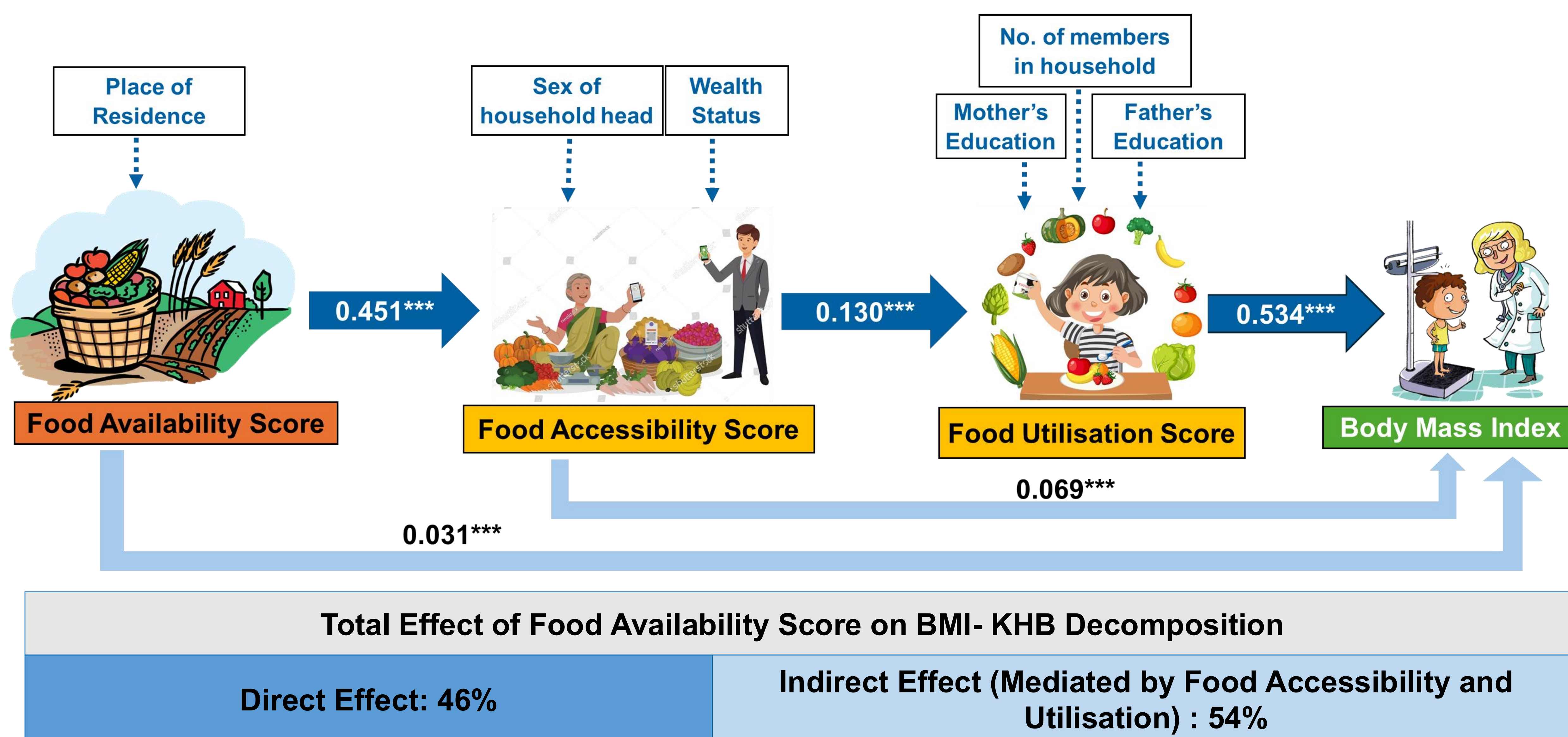
- Panel data from the Young Lives Survey (2006–2016)
- Outcome Variable: Body Mass Index (BMI)
- Main Predictors: Food Availability Score, Food Accessibility Score, Food Utilisation Score
- Adjusted-fixed-effect panel regression model, dynamic structural equation model, regression-based and KHB decomposition models

RESULTS



Fixed Effect Adjusted Panel Regression Model

Model 1 - Food Availability Score	0.808*** (0.069)
Model 2 - Food Accessibility Score	0.807*** (0.042)
Model 3 - Food Utilisation Score	0.169*** (0.045)
Model 4- Combined Score	0.507*** (0.023)



***p<0.001, Standard Error in parentheses ()

CONCLUSION AND POLICY IMPLICATIONS

1 Quantify each dimension of food security in Indian context and their contribution to nutrition

2 Connects supply and demand determinant in single analytical framework to shape nutritional outcome

3 Call for Integrating supply-side approaches (e.g., Nutrition-Sensitive Agriculture) with demand-side programmes (ICDS, Poshan Abhiyan)

