

Strengthening the supply and demand for local, nutritious, agroecologically produced foods in secondary cities in Bangladesh, Kenya, and Rwanda: A first impression to understand the context

Tanja Barth-Jaeggi¹, Cornelia Speich¹, Cassien Havugimana¹, Francine Bayisenge¹, S. Fuad Pasha², Simon Kimenju³, Kesso Gabrielle van Zutphen⁴, Marnie Pannatier⁵, Dominique Barjolle⁶, Helen Prytherch¹

¹Swiss Tropical and Public Health Institute, Switzerland; ²Mitra & Associates, Bangladesh; ³Kula Vyema Centre of Food Economics, Kenya; ⁴Sight and Life Foundation, Switzerland; ⁵Syngenta Foundation for Sustainable Agriculture, Switzerland; ⁶ETH Zurich, Switzerland

1 Introduction & Objective

While **overweight and obesity are increasing globally**, **food security is worsening** in many low- and middle-income countries, especially with the COVID-19 pandemic. Nutritious, locally, and agroecologically produced foods offer the potential to **transform food systems**, alleviate pressure on the environment, and improve diets. The **Nutrition in City Ecosystems (NICE)** project aims to improve nutrition for urban populations through agricultural, food and health sector collaborations. An assessment of nutritional indicators, socio-economic status, food production and consumption patterns was conducted in 6 secondary cities from 3 countries between April and June 2021 to inform the project design.





2 Methods

- Mixed-methods, cross-sectional design
- Target population: vulnerable people (slums, area with reported malnutrition etc.)
- In each city, 150-300 households visited to assess:
 - Household Food Insecurity Access Score
 - Household Dietary Diversity Scores
 - Minimum Dietary Diversity Scores for Women
 - Socioeconomic information
 - Consumer behaviour
 - Food production decisions
 - Anthropometrics (stunting, wasting, under- and overweight)
- Health centers in the catchment area were visited to collect secondary data on birth weight and anaemia during pregnancy



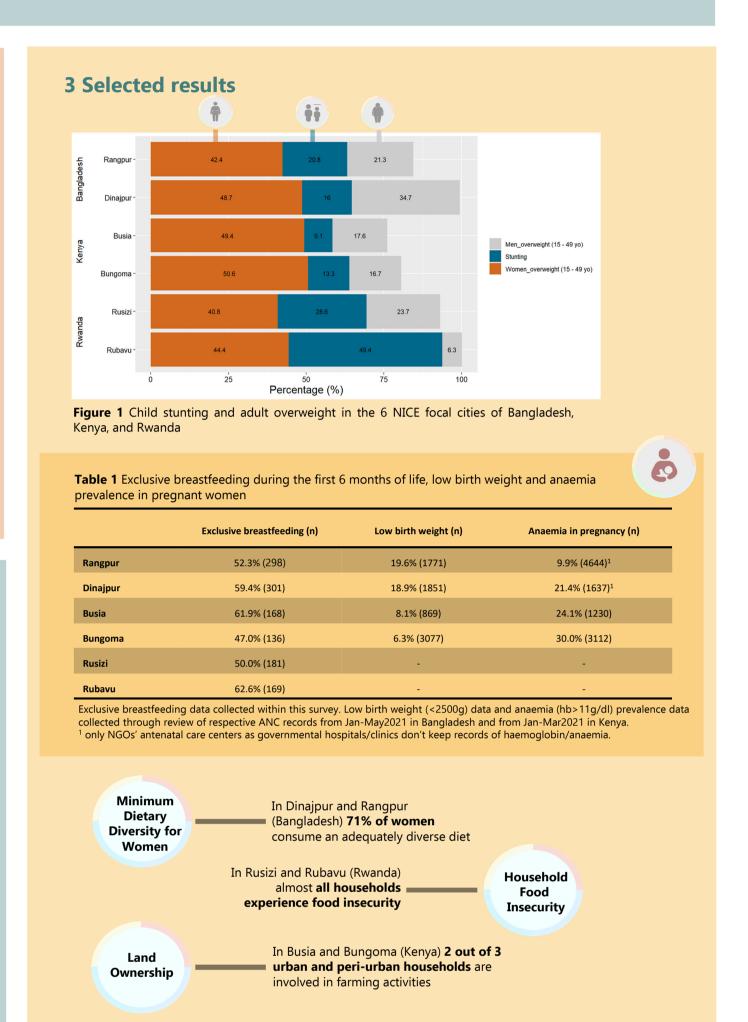
4 Conclusion

The **double burden of malnutrition** is a public health concern in secondary cities and food security is worsening with the COVID-19 pandemic.

Demand for and access to an affordable healthy diet including nutritious, local, and agroecologically produced food presents a pathway for overcoming complex challenges related to malnutrition, decline in biodiversity, and poor soil fertility in city contexts.

Transformation towards more resilient food systems with improved nutritional outcomes needs to be addressed holistically from farm to fork. Vulnerable populations should be targetted, and the learnings disseminated and scaled up.





NICE is working across 6 SDG's:

Figure 2 Selected results from the baseline data assessment















