

# Food Security in Kurdistan Region of Iraq



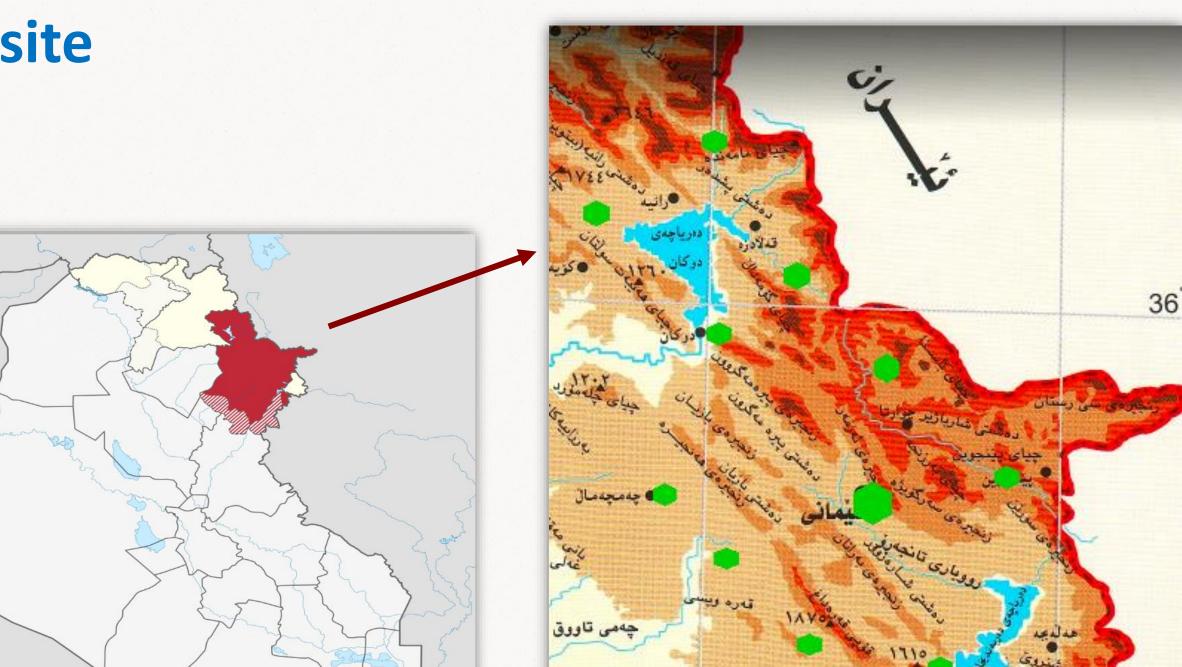
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## Introduction

- **11% of the world population are food insecure** (WFP Live Map 2021).
- The status of the most vulnerable population groups is likely to deteriorate further due to the COVID-19 pandemic impacts (FAO 2020).

#### In Iraq:

- 5% of the population are severely food insecure (WFP 2021).
- 23.6% of the population have chronic hunger (WFP 2021).
- Poverty rate in Iraq is 31% and in Kurdistan Region is 22% (Stiftung 2020).



## Study site

## Aims of the study

1. Documenting household food security status in both rural and urban areas inhabited at the different altitudes.

2. Identifying the effects of **socio-economic** and **demographic** characteristics on household food security, mainly: gender, age, education, marital status, household size, dependency ratio, assets ownership (livestock, machinery, house, and land), income and the sources of income with the share.

3. Assessing the household's access to **drinking water** and **availability of water**; and the relationship between household food security and their access to **food market**.

4. Finding the impact of the armed conflict in some areas on household food security.

5. Addressing the degree of dependency of the households on the "Public Distribution System"(PDS) food items. Further, identifying the regularity in receiving the ration, ration items, and preferences between receiving cash or food ration.

**1. Where do the food insecure people live?** 



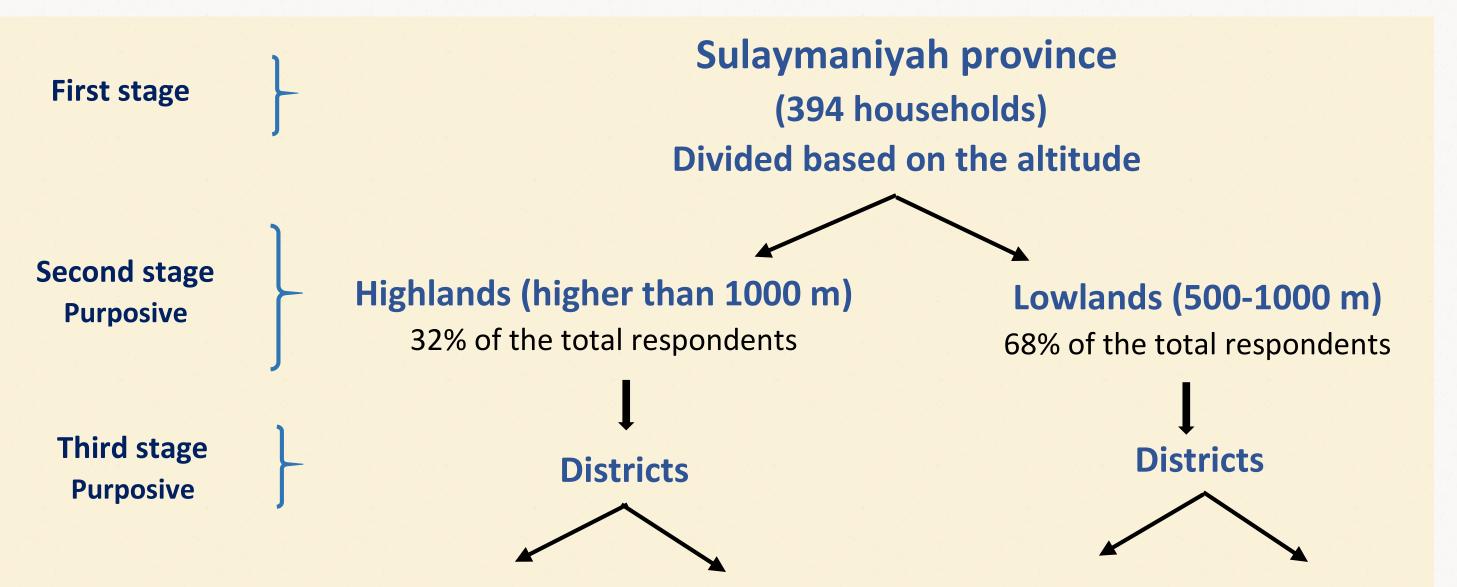


Figure (2): division of the study area according to the altitude (Sabir 2020).

\*Green points are the sampling places.

## Sampling

394 households has been interviewed using Multistage Sampling with a combination of purposive and random sampling in the different stages was applied.





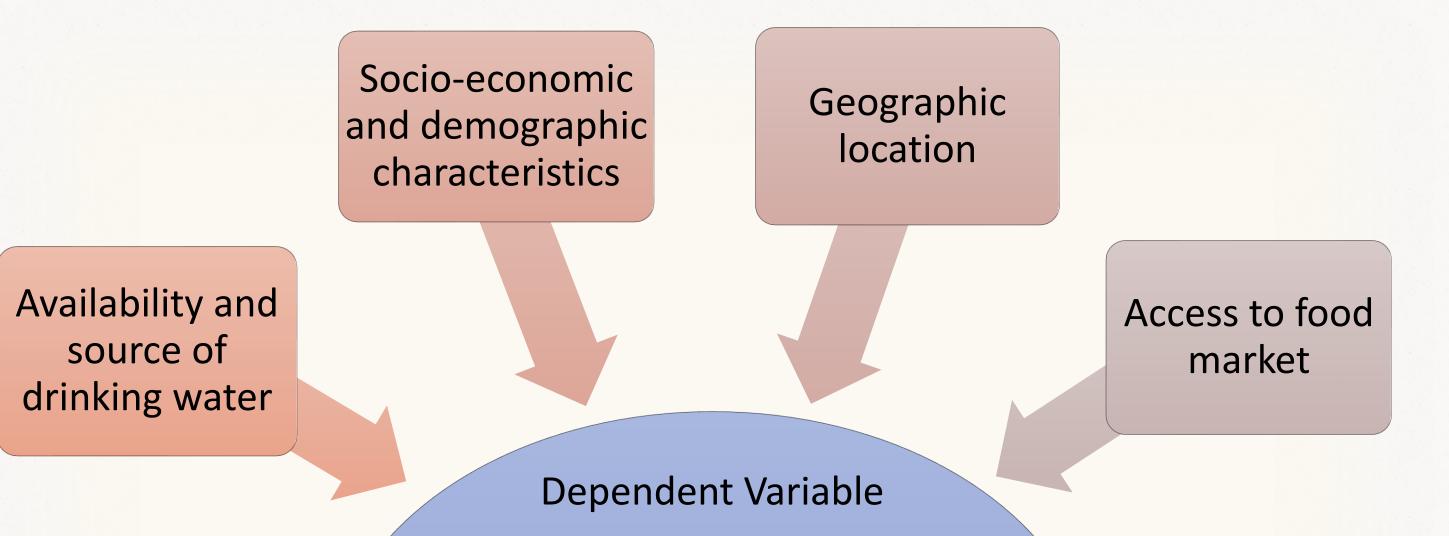
2. What are the characteristics of the food insecure population?

**Questions** 3. What are the main **drivers** of food insecurity in the area?

4. Are the households in the **conflict** areas more vulnerable to food insecurity?

5. To what extend the food ration from the **Public Distribution System** participates in household food consumption and food security?

## Method Conceptual framework



Fourth stage	Rural	Urban	Rural	Urban
Random +	48% of the	52% of the	19% of the	81% of the
systematic	respondents	respondents	respondents	respondents

(Figure (3): the diagram of sampling techniques (Multistage sampling)

#### **Photos from data collection**



## Further steps and the result contributions

Data will be analysed using the descriptive and inferential statistics (Regression Models, Student's ttest and Chi-squared test).



Indicators:

Food Consumption Score (FCS)

&

Household Food Insecurity and Access Scale (HFIAS)

Figure (1): the diagram of the conceptual framework

### **Study site**

Conflict

Data has been collected during May and June 2021 in Sulaymaniyah Governorate located in the eastern part of Iraqi Kurdistan. Having a population of 2.1 million and an area of 20,143 km<sup>2</sup>, containing 15 districts and 57 subdistricts (Kurdistan Region Statistics Office 2019).

- > The results will determine the **geographic distribution** and **characteristics** of food insecure population and can be used as a tool by the aid organizations or government for a better targeting.
- The findings regarding the preferences and importance of the Public Distribution System for household food security can be used by the policymakers in the ongoing reforms of the system.

## References

Public

Distribution

System

(PDS)

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