

Bangladesh - Data in Emergencies (DIEM) Monitoring System - Household Survey - Round 7, Bangladesh, 2023

Data in Emergencies Hub, Office of Emergencies and Resilience

Report generated on: November 18, 2025

Visit our data catalog at: <https://microdata.fao.org/index.php>

Identification

SURVEY ID NUMBER

BGD_2023_DIEM_HS_R7_v01_EN_M_v01_A_ESS

TITLE

Data in Emergencies (DIEM) Monitoring System - Household Survey - Round 7, Bangladesh, 2023

ABBREVIATION OR ACRONYM

DIEM HS BGD R7 - 2023

COUNTRY

Name	Country code
Bangladesh	BGD

STUDY TYPE

Agricultural Survey [ag/oth]

ABSTRACT

The Food and Agriculture Organization of the United Nations (FAO) has developed a monitoring system in 26 food crisis countries to better understand the impacts of various shocks on agricultural livelihoods, food security and local value chains. The Monitoring System consists of primary data collected from households on a periodic basis (more or less every four months, depending on seasonality). FAO conducted a household survey between 17 February and 21 March 2023 in Bangladesh through computer-assisted telephone interviews. This seventh-round survey reached 3 075 households. The survey targeted all eight divisions of the country: Barisal, Chattogram, Dhaka, Khulna, Mymensingh, Rajshahi, Rangpur and Sylhet. The survey also targeted the hotspots identified in the Bangladesh Delta Plan 2100: Barind and the Drought-Prone Areas, Chars, Chittagong Hill Tracts, Coastal Zone, Cross-Cutting Area, and Haor and the Flash Flood Areas.

KIND OF DATA

Sample survey data [ssd]

UNIT OF ANALYSIS

Households

Scope

NOTES

The survey collected information on the following areas:

- HOUSEHOLD : household information
- INCOME SOURCES, SHOCKS : income changes, shocks experienced by households
- CROP PRODUCTION : crops planted, area planted, area harvested, crop production difficulties
- CROP MARKETING : crop sale difficulties, crop sale price
- LIVESTOCK PRODUCTION : types of livestock present on the holding, number of livestock, livestock production difficulties
- LIVESTOCK MARKETING : livestock sale, livestock sale difficulties, livestock sale price
- FISHERIES PRODUCTION : fish activity, comparison of fish production
- FISHERIES MARKETING : fish sale, fish sale difficulties, fish sale price
- FOOD SECURITY AND CONSUMPTION : food consumption, food utilization, coping strategies
- NEEDS ASSISTANCE : open questions on the needs for assistance

Coverage

GEOGRAPHIC COVERAGE

National coverage

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
Data in Emergencies Hub, Office of Emergencies and Resilience	Food and Agriculture Organization of the United Nations

PRODUCERS

Name	Abbreviation	Affiliation	Role
Data in Emergencies Hub, Office of Emergencies and Resilience	DIEM	Food and Agriculture Organization of the United Nations	Data processing and analysis

FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
United States Agency for International Development	USAID	Funding
European Union	EU	Funding
Food and Agriculture Organization of the United Nations, Special Fund for Emergency and Resilience Activities	SFERA	Funding

Sampling

SAMPLING PROCEDURE

The survey covered all eight divisions of Bangladesh, with stratification at the division (admin 1) level. Each division represents a stratum (eight strata in total). The sample size of the household survey is based on rural population sizes derived from National Population and Housing Census conducted by Bangladesh Bureau of Statistics (BBS) in 2011. Additionally, six national hotspots from the Bangladesh Delta Plan 2100 were considered, introducing additional sampling quotas. The survey used probability sampling, specifically stratified simple random sampling, in selecting the respondents. It was conducted via CATI (Computer-Assisted Telephone Interviewing) using RDD (Random Digit Dialing) to randomly select rural households within each stratum.

WEIGHTING

The data was weighted using both design (sampling) weights and post-stratification weights. The weighting process involved correcting for biases from the disproportionate stratification, imposition of quotas on agricultural HHS, and non-response. Different weight types were calculated to address each of these biases. Design weights accounted for population size to adjust the sample to the actual population distribution. Population size design weights were calculated by dividing the ratio of stratum population and total population (of the country) by the ratio of stratum sample and total sample (for the country). Additionally, agricultural quota weights were applied to reflect the true proportion of agricultural and non-agricultural households in the population. The agricultural quota weights were calculated by dividing the proportion of agricultural subgroup in the stratum population by the proportion of agricultural subgroup in the stratum sample. Lastly, post-stratification weights were applied using a wealth proxy (specifically, access to sanitation) to correct for potential biases arising from varying response propensities among different sub-groups within the population. The same logic as the population and quota weights was applied to calculate the post-stratification weights. The final weight was then computed as the product of all the different weights (i.e., population weights, agricultural quota weights, and post-stratification weights).

Data collection

DATES OF DATA COLLECTION

Start	End
2023-02-17	2023-04-21

DATA COLLECTION MODE

Computer Assisted Telephone Interview [cati]

Data Processing

DATA EDITING

The datasets have been edited and processed for analysis by the DIEM team at the Office of Emergencies and Resilience, FAO, with some dashboards and visualizations produced. For more information, see <https://data-in-emergencies.fao.org/pages/countries>. The datasets have been edited and processed for analysis by the Needs Assessment team at the Office of Emergencies and Resilience, FAO, with some dashboards and visualizations produced. For more information, see <https://data-in-emergencies.fao.org/pages/countries>.

STATISTICAL DISCLOSURE CONTROL (SDC)

The dataset was anonymized using statistical disclosure control methods by the Data in Emergencies Hub and reviewed by the Statistics Division of FAO. All direct identifiers have been removed prior to data submission.

Access policy

CONTACTS

Name	Affiliation	Email	URL
Data in Emergencies Hub, Office of Emergencies and Resilience	Food and Agriculture Organization of the United Nations	DIEM-Hub-List@fao.org	Link

CONFIDENTIALITY

The users shall not take any action with the purpose of identifying any individual entity (i.e. person, household, enterprise, etc.) in the micro dataset(s). If such a disclosure is made inadvertently, no use will be made of the information, and it will be reported immediately to FAO

ACCESS CONDITIONS

Micro datasets disseminated by FAO shall only be allowed for research and statistical purposes. Any user which requests access working for a commercial company will not be granted access to any micro dataset regardless of their specified purpose. Users requesting access to any datasets must agree to the following minimal conditions:

- The micro dataset will only be used for statistical and/or research purposes;
- Any results derived from the micro dataset will be used solely for reporting aggregated information, and not for any specific individual entities or data subjects;
- The users shall not take any action with the purpose of identifying any individual entity (i.e. person, household, enterprise, etc.) in the micro dataset(s). If such a disclosure is made inadvertently, no use will be made of the information, and it will be reported immediately to FAO;
- The micro dataset cannot be re-disseminated by users or shared with anyone other than the individuals that are granted access to the micro dataset by FAO.

CITATION REQUIREMENTS

FAO. 2024. Data in Emergencies Monitoring Household Survey - Bangladesh, Round 7, 2023. data-in-emergencies.fao.org
Licence:CC-BY-4.0.

Disclaimer and copyrights

DISCLAIMER

The user of the data acknowledges that the original collector of the data, the authorized distributor of the data, and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences based upon such uses

Metadata production

DDI DOCUMENT ID

DDI_BGD_2023_DIEM_HS_R7_v01_EN_M_v01_A_ESS_FAO

PRODUCERS

Name	Abbreviation	Affiliation	Role
Data in Emergencies Hub, Office of Emergencies and Resilience	OER	Food and Agriculture Organization of the United Nations	Metadata producer
Statistics Division	ESS	Food and Agriculture Organization of the United Nations	Metadata adapted for FAM

DDI DOCUMENT VERSION

BGD_2023_DIEM_HS_R7_v01_M_v01_A_ESS

Data Dictionary

Data file	Cases	Variables
data_anon_df_BGD_R7	3075	281