

# Women's Empowerment and Nutrition Survey 2024

**Liberia Institute of Statistics and Geo-Information Services, Ministry of Agriculture**

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visit\_data\_catalog\_at: <https://catalog.ihsn.org/>

## Identification

### SURVEY ID NUMBER

LBR\_2024\_WEN\_v01\_M\_v01\_A\_ESS

### TITLE

Women's Empowerment and Nutrition Survey 2024

### ABBREVIATION OR ACRONYM

WEN 2024

### COUNTRY

Name	Country code
Liberia	LBR

### STUDY TYPE

Agricultural Survey [ag/oth]

### SERIES INFORMATION

The Women's Empowerment and Nutrition (WEN) module was integrated into the Annual Agricultural Survey 2024 under the umbrella of the 50x2030 Initiative to close the agricultural data gap <https://www.50x2030.org/>, a global partnership of the World Bank, FAO and IFAD aimed to strengthen the availability of data on agriculture. This is the first WEN survey in Liberia, designed to generate nationally representative statistics on empowerment and women's dietary diversity among agricultural households.

### ABSTRACT

The Women's Empowerment and Nutrition Survey (WEN) 2024 provides a comprehensive picture of empowerment, women's nutrition, and the relationship between the two in agricultural households across Liberia. Implemented by the Liberia Institute of Statistics and Geo-Information Services (LISGIS) in collaboration with the Ministry of Agriculture (MoA), and with technical support of the Food and Agriculture Organization of the United Nations (FAO), the survey had four key objectives:

1. To measure the empowerment of women in agricultural households and assess their dietary diversity, with findings disseminated to ministries and stakeholders for programming and policy design.
2. To document lessons learned in order to refine and strengthen methodologies for measuring women's empowerment within agricultural surveys.
3. To raise visibility of empowerment and nutrition indicators at national and global levels, demonstrating the feasibility of embedding such measures in agriculture-based surveys.
4. To strengthen national capacity to collect, analyze, and use gender- and nutrition-sensitive data for evidence-based decision making.

### KIND OF DATA

Sample survey data [ssd]

### UNIT OF ANALYSIS

Agricultural households

## Version

### VERSION DESCRIPTION

Version 1.0: This is the first version of the edited and anonymized datasets.

## Scope

### NOTES

The WEN survey covered:

- a) Women's empowerment domains - i.e., claiming rights, making choices, engaging in communities, access to resources

(WEMNS).

b) Tenure rights over agricultural land (SDG 5.a.1) and residential dwelling.

c) Dietary Diversity for Women (MDD-W).

#### TOPICS

Topic	Vocabulary	URI
Gender Equality	ELSST Thesaurus	<a href="#">Link</a>
Food Security	ELSST Thesaurus	<a href="#">Link</a>

#### KEYWORDS

Keyword
Women's empowerment
Dietary diversity

## Coverage

#### GEOGRAPHIC COVERAGE

National coverage

#### UNIVERSE

Male and female members living in agricultural households aged between 18 and 64 years.

## Producers and sponsors

#### PRIMARY INVESTIGATORS

Name
Liberia Institute of Statistics and Geo-Information Services
Ministry of Agriculture

#### PRODUCERS

Name	Abbreviation	Affiliation	Role
Food and Agriculture Organization of the United Nations	FAO	United Nations	Technical assistance

#### FUNDING AGENCY/SPONSOR

Name	Abbreviation
Government of Liberia	
Food and Agriculture Organization of the United Nations	FAO
Gates Foundation	BMGF
Harmonizing and Improving Statistics in West Africa Project	HISWAP

## Sampling

#### SAMPLING PROCEDURE

The survey targeted adult members aged 18-64 living in agricultural households. As the MDD-W indicator is validated for women of reproductive age, the dietary diversity section was administered only to women. To meet the survey's measurement objectives, three estimation domains were defined: women aged 18-49, women and men aged 18-64. Two partially overlapping estimation domains were created for women to ensure a good level of precision for the population

group concerned by the MDD-W indicator i.e., women between 18 and 49 years old.

The WEN sample was drawn from the sample used for the national agricultural survey (Annual Agricultural Survey 2024). First a subsample of households was selected within each stratum with simple random sampling. Second, within the subsampled households, a fixed number of adults were randomly chosen in the field after listing all household members. The subsampling of individuals within the selected households was performed through a simple random sampling stratified by gender and age and it was performed in the field after having listed all household members. Hence, the sampling of the WEN survey adopted the same stratification criteria as the agricultural survey sample. Acknowledging clustering and intra-household correlation, the sampling design assumed a design effect of 3.5.

#### RESPONSE RATE

The response rate is 80%.

#### WEIGHTING

Individual weights have been computed and included in the dataset.

## Data collection

#### DATES OF DATA COLLECTION

Start	End
2024-11	2025-02

#### DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

#### SUPERVISION

Supervisors managed day-to-day operations and logistics; coordinated EA coverage and enumerator workload; monitored data quality (completeness, internal consistency, and adherence to protocols); provided immediate feedback and corrective guidance; resolved technical issues (including CAPI troubleshooting and question interpretation); conducted spot checks and direct observation of interviews; and compiled progress reports for central coordination.

Enumerators conducted interviews in accordance with protocol, maintained respondent confidentiality and privacy, ensured accurate CAPI entry, and reported operational issues promptly to supervisors.

#### DATA COLLECTORS

Name	Abbreviation	Affiliation
Liberia Institute of Statistics and Geo-Information Services	LISGIS	Government of the Republic of Liberia
Ministry of Agriculture	MOA	Government of the Republic of Liberia

## questionnaires

#### QUESTIONNAIRES

The 2024 Women's Empowerment and Nutrition (WEN) questionnaire encompasses multiple topics: time use and agency; community participation and leadership; financial services and credit; property ownership and tenure security; decision-making and control over income; ICT access and use; women's dietary diversity (MDD-W). The CAPI instrument contained automated quality checks and skip patterns. The questionnaire was organized in ten modules:

- Module D - Paid and Unpaid Activities. Captures time use in the last seven days: household chores, care work, market activities, paid work, farming (subsistence and commercial), leisure, religious/cultural events, learning. It records decision-making power over how much time respondents dedicate to each activity.

- Module E - Participation and Leadership in Community. Assesses participation in and leadership of different community groups (government, service, financial, livelihood, and religious/social groups). Gender-specific perception questions:
  - oFor women: perceptions of women's ability to participate and be heard in the community.
  - oFor men: same but framed around men's participation.

- Module F - Life Transitions and Awareness of Rights (Women only). Measures women's agreement with rights-based statements (education, work, income use, property ownership, marriage/divorce, childbearing decisions). Captures attitudes toward women's autonomy across life transitions.

- Module G - Financial Services and Credit. Records use of financial services in the past 12 months (mobile money, bank account, ATM, credit card). Assesses access to loans from formal (banks, cooperatives, microfinance) and informal (savings groups, moneylenders, NGOs) institutions.
- Module H - Property Ownership. Measures ownership and rights to agricultural land and dwellings. Asks about ability to sell, bequeath, or document property rights. Captures security of tenure by asking for the likelihood of involuntary loss.
- Module I - Decision-Making and Control over Income. Assesses individual influence over use of household money (own and others'), major household purchases, decisions on personal healthcare.
- Module J - Information Communication Technologies (ICT). Measures frequency of use of mobile phones, internet and social media platforms.
- Module L - Sexual Harassment (Women only). Captures attitudes on acceptability of different forms of harassment: verbal disrespect, work restrictions, rumor-spreading unwanted romantic/sexual advances and exchange of work benefits for sexual favors. Asked in private, ensuring no one could overhear the questions.
- Module M - Food and Drinks Consumed in Last 24 Hours (Women only). 24-hour dietary recall to measure Minimum Dietary Diversity for Women (MDD-W). Lists food groups (cereals, roots/tubers, legumes, nuts, dairy, meat/fish, eggs, leafy greens, vegetables, fruits, oils/fats, sweets, beverages, insects). Provides standardized recall for comparability across individuals.
- Module N - Information on Respondent. Records literacy, schooling history, and highest education level.
- Module O - Result of the Interview. Enumerators report whether the interview was private, completion status, reasons for partial or incomplete interviews.

## data\_processing

### DATA EDITING

The data went through the following consistency checks:

- Rigorous internal and cross-module checks enforced skip logic and consistency.
- Rule-based imputation was applied where needed to maintain within-module coherence, for example, when a response contradicted a required filter or created a logical inconsistency between related items. In such cases value was re-coded to maintain consistency.
- No statistical/model-based imputation was used to infer substantive values. All edits and imputations followed predefined rules and were fully documented in Stata do-files.

## Access policy

### CONTACTS

Name	Affiliation	Email	URL
Matthew Wantoe, Director for ICT Division	Liberia Institute of Statistics and Geo-Information Services	matthew.wantoe@lisgis.gov.lr	<a href="#">Link</a>
Liberia Institute of Statistics and Geo-Information Services		lisgis.admin@lisgis.gov.lr	<a href="#">Link</a>

### CONFIDENTIALITY

Confidentiality of respondents is guaranteed by the National Statistics and Geo-Information Act of Liberia, enacted 2004 and the United Nations Fundamental Principles on Official Statistics, specifically principle six. Before being granted access to the dataset, all users have to formally agree: 1. To make no copies of any files or portions of files to which s/he is granted access except those authorized by LISGIS. 2. Not to use any technique in an attempt to learn the identity of any person, household, non-household or community not identified on public use data files. 3. To hold in strictest confidence the identification of any establishment or individual that may be inadvertently revealed in any documents or discussion, or analysis. Such inadvertent identification revealed in her/his analysis will be immediately brought to the attention of the data depositor.

### ACCESS CONDITIONS

The dataset has been anonymized and is available as a Public Use Dataset. It is accessible to all for statistical and research purposes only, under the following terms and conditions:

The data and other materials will not be redistributed or sold to other individuals, institutions, or organizations without the written agreement of LISGIS.

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An electronic copy of all reports and publications based on the requested data will be sent to LISGIS.

The original collectors of the data, LISGIS, MOA, and the relevant funding agencies bear no responsibility for use of the data or for interpretations or inferences based upon such uses.

#### CITATION REQUIREMENTS

Liberia Institute of Statistics and Geo-Information Services. Women's Empowerment and Nutrition Survey (WEN) 2024, Ref. LBR-WEN-2024-v01.

Dataset downloaded from <https://lisgis.gov.lr/> or [microdata.lisgislr.org](https://microdata.lisgislr.org)

#### ACCESS AUTHORITY

Name	Affiliation	Email	URL
Liberia Institute of Statistics and Geo-Information Services	Government of Liberia	lisgis.admin@lisgis.gov.lr	<a href="#">Link</a>

## Disclaimer and copyrights

#### DISCLAIMER

The user of the data acknowledges that the authorized distributor of the data (i.e., LISGIS), MOA and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences based upon such uses.

#### COPYRIGHT

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## Metadata production

#### DDI DOCUMENT ID

DDI\_LBR\_2024\_WEN\_v01\_M\_v01\_A\_ESS\_FAO

#### PRODUCERS

Name	Abbreviation	Affiliation	Role
Liberia Institute of Statistics and Geo-Information Services	LISGIS	Government of Republic of Liberia	Documentation of the study
Ministry of Agriculture	MoA	Government of Republic of Liberia	Documentation of the study
Food and Agriculture Organization of the United Nations	FAO	United Nations	Documentation of the study
Development Data Group	DECDG	World Bank Group	Metadata adapted for World Bank Microdata Library

#### DDI DOCUMENT VERSION

Identical to a metadata (LBR\_2024\_WEN\_v01\_M\_v01\_A\_ESS) published on FAO microdata repository (<https://microdata.fao.org/index.php/catalog>). Some of the metadata fields have been edited.

**data\_dictionary**

<b>Data file</b>	<b>Cases</b>	<b>variables</b>
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## **study\_resources**