Food Insecurity Experience Scale 2022

FAO Statistics Division

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visit_data_catalog_at:

Identification

SURVEY ID NUMBER
LBR_2022_FIES_v01_M_v01_A_OCS

TITLE
Food Insecurity Experience Scale 2022

COUNTRY

Name	Country code
Liberia	LBR

STUDY TYPE
Socio-Economic/Monitoring Survey [hh/sems]

ABSTRACT
Sustainable Development Goal (SDG) target 2.1 commits countries to end hunger, ensure access by all people to safe, nutritious and sufficient food all year around. Indicator 2.1.2, "Prevalence of moderate or severe food insecurity based on the Food Insecurity Experience Scale (FIES)", provides internationally-comparable estimates of the proportion of the population facing difficulties in accessing food. More detailed background information is available at http://www.fao.org/in-action/voices-of-the-hungry/fies/en/ .

The FIES-based indicators are compiled using the FIES survey module, containing 8 questions. Two indicators can be computed:
1. The proportion of the population experiencing moderate or severe food insecurity (SDG indicator 2.1.2),
2. The proportion of the population experiencing severe food insecurity.

These data were collected by FAO through Kantar. General information on the methodology can be found here: https://www.kantar.com/about. National institutions can also collect FIES data by including the FIES survey module in nationally representative surveys.

Microdata can be used to calculate the indicator 2.1.2 at national level. Instructions for computing this indicator are described in the methodological document available in the documentations tab.

KIND OF DATA
Sample survey data [ssd]

UNIT OF ANALYSIS
Individuals

Scope

NOTES
This dataset contains demographic variables related to number of adults and children in the household, age, education, area (urban/rural), gender, and income. Also, the FIES survey module includes the following questions to compute the FIES-based indicators:

During the last 12 months, was there a time when, because of lack of money or other resources:
1. You were worried you would not have enough food to eat?
2. You were unable to eat healthy and nutritious food?
3. You ate only a few kinds of foods?
4. You had to skip a meal?
5. You ate less than you thought you should?
6. Your household ran out of food?
7. You were hungry but did not eat?
8. You went without eating for a whole day?

TOPICS

Topic
SDGs
Food Access

KEYWORDS

Keyword
Food Insecurity
SDG

Coverage

GEOGRAPHIC COVERAGE
National and admin 1

UNIVERSE
Individuals of 15 years or older.

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
FAO Statistics Division	FAO

Sampling

SAMPLING PROCEDURE
The adopted sample design for the study was a multi-stage clustered sample stratified by region and urbanity.
Exclusions: NA
Design effect: NA

WEIGHTING
The sample data was weighted to minimize bias in survey-based estimates. The weighting procedure was formulated based on the sample design and was carried out in multiple stages. A probability weight factor (base weight) was constructed to account for selection of telephone numbers from the respective frames and correct for unequal selection probabilities as a result of selecting one adult in landline households and for dual-users coming from both the landline and mobile frame. At the next step, the base weights were post-stratified to adjust for non-response and to match the weighted sample totals to known target population totals obtained from country level census data.

data_collection

DATES OF DATA COLLECTION

Start	End
2022-08-09	2022-09-13

DATA COLLECTION MODE
Computer-Assisted Personal Interviewing [CAPI]

data_processing

DATA EDITING
Statistical validation assesses the quality of the FIES data collected by testing their consistency with the assumptions of the Rasch model. This analysis involves the interpretation of several statistics that reveal 1) items that do not perform well in a given context, 2) cases with highly erratic response patterns, 3) pairs of items that may be redundant, and 4) the proportion of total variance in the population that is accounted for by the measurement model.

data_appraisal

ESTIMATES OF SAMPLING ERROR
The margin of error is estimated as NA. This is calculated around a proportion at the 95% confidence level. The maximum margin of error was calculated assuming a reported percentage of 50% and takes into account the design effect.

Access policy

CONTACTS

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Metadata production

DDI DOCUMENT ID
DDI_LBR_2022_FIES_v01_M_v01_A_OCS

PRODUCERS

Name	Abbreviation	Affiliation	Role

| Office of the Chief Statistician | OCS | FAO | Metadata producer |
| Development Economics Data Group | DECDG | The World Bank | Metadata adapted for World Bank Microdata Library |

DDI DOCUMENT VERSION

This metadata was downloaded from the FAO catalog (https://microdata.fao.org/index.php/catalog) and it is identical to FAO version (LBR_2022_FIES_v01_EN_M_v01_A_OCS). The following two metadata fields were edited - Document ID and Survey ID.

data_dictionary

Data file	Cases	variables
LBR_2022_FIES_v01_EN_M_v01_A_OCS This dataset contains the variables used to calculate the FIES-based indicator, deomographic variables and some derived variables calculated by FAO from the survey.	3208	23

Data file	Cases	variables

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

This dataset contains the variables used to calculate the FIES-based indicator, deomographic variables and some derived variables calculated by FAO from the survey.

Cases:	3208
variables:	23

variables

ID	Name	Label	Question
53	Random_ID	Unique respondent identifier	
54	WORRIED	Worried you would not have enough food to eat because of a lack of money or other resources	
55	HEALTHY	Unable to eat healthy and nutritious food because of a lack of money or other resources	
56	FEWFOOD	Ate only a few kinds of foods because of a lack of money or other resources	
57	SKIPPED	Skipped a meal because there was not enough money or other resources to get food	
58	ATELESS	Ate less than you thought you should because of a lack of money or other resources	
59	RUNOUT	Household ran out of food because of a lack of money or other resources	
60	HUNGRY	Hungry but did not eat because there was not enough money or other resources for food?	
61	WHLDAY	Went without eating for a whole day because of a lack of money or other resources?	
62	wt	Post-stratification sampling weights	
63	year	Year when the study was administered in the country	
64	N_adults	Number of adults 15 years of age and above in household	
65	N_child	Number of children under 15 years of age in household	
66	Raw_score	Sum of Affirmative responses to FIES questions	
67	Raw_score_par	Estimated person parameters using the Rasch model	
68	Raw_score_par_error	Estimated person parameter errors using the Rasch model	
69	Prob_Mod_Sev	Probability of being moderately or severely food insecure	
70	Prob_sev	Probability of being severely food insecure	
71	Age	Age of the respondent	
72	Education	Education of the respondent	
73	Area	Area	
74	Gender	Gender of the respondent	
75	Income	Income quintile	

total: 23

RANDOM_ID: Unique respondent identifier

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3208   Invalid: 0
Type: Discrete   Width: 12   Range: NA - NA   Format:

WORRIED: Worried you would not have enough food to eat because of a lack of money or other resources

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3206   Invalid: 2
Type: Discrete   Width: 12   Range: 0 - 1   Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	370	11.5%
1	Yes	2836	88.5%
Sysmiss		2	

HEALTHY: Unable to eat healthy and nutritious food because of a lack of money or other resources

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3205   Invalid: 3
Type: Discrete   Width: 12   Range: 0 - 1   Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	523	16.3%
1	Yes	2682	83.7%
Sysmiss		3	

FEWFOOD: Ate only a few kinds of foods because of a lack of money or other resources

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3204   Invalid: 4
Type: Discrete   Width: 12   Range: 0 - 1   Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	395	12.3%
1	Yes	2809	87.7%
Sysmiss		4	

SKIPPED: Skipped a meal because there was not enough money or other resources to get food

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3207   Invalid: 1
Type: Discrete   Width: 12   Range: 0 - 1   Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	485	15.1%
1	Yes	2722	84.9%
Sysmiss		1	

ATELESS: Ate less than you thought you should because of a lack of money or other resources

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3208   Invalid: 0
Type: Discrete   Width: 12   Range: 0 - 1   Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	421	13.1%

1	Yes	2787	86.9%
Sysmiss		0	

RUNOUT: Household ran out of food because of a lack of money or other resources

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3207   Invalid: 1
Type: Discrete   Width: 12   Range: 0 - 1   Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	1331	41.5%
1	Yes	1876	58.5%
Sysmiss		1	

HUNGRY: Hungry but did not eat because there was not enough money or other resources for food?

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3205   Invalid: 3
Type: Discrete   Width: 12   Range: 0 - 1   Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	1067	33.3%
1	Yes	2138	66.7%
Sysmiss		3	

WHLDAY: Went without eating for a whole day because of a lack of money or other resources?

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3207   Invalid: 1
Type: Discrete   Width: 12   Range: 0 - 1   Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	1920	59.9%
1	Yes	1287	40.1%
Sysmiss		1	

WT: Post-stratification sampling weights

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3208   Invalid: 0   Minimum: 0.33   Maximum: 3.508   Mean: 1   Standard deviation: 0.715
Type: Continuous   Decimal: 0   Width: 10   Range: 0.33 - 3.50819672131148   Format: Numeric   Weighted: yes

YEAR: Year when the study was administered in the country

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3208   Invalid: 0
Type: Discrete   Decimal: 0   Width: 12   Range: 1 - 1   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	2022	3208	100%
Sysmiss		0	

N_ADULTS: Number of adults 15 years of age and above in household

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3208   Invalid: 0
Type: Discrete   Width: 12   Range: 0 - 9   Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	

00	00	13	0.4%
01	01	296	9.2%
02	02	1061	33.1%
03	03	593	18.5%
04	04	458	14.3%
05	05	302	9.4%
06	06	202	6.3%
07	07	106	3.3%
08	08	81	2.5%
09	09	25	0.8%
10	10+	71	2.2%
Sysmiss		0	

█ N_CHILD: Number of children under 15 years of age in household

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3208   Invalid: 0
Type: Discrete   Width: 12   Range: 0 - 9   Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
00	00	439	13.7%
01	01	497	15.5%
02	02	633	19.7%
03	03	551	17.2%
04	04	460	14.3%
05	05	240	7.5%
06	06	149	4.6%
07	07	95	3%
08	08	42	1.3%
09	09	33	1%
10	10+	69	2.2%
Sysmiss		0	

RAW_SCORE: Sum of Affirmative responses to FIES questions

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3193   Invalid: 15   Minimum: 0   Maximum: 8   Mean: 5.97   Standard deviation: 2.137
Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 8   Format: Numeric

RAW_SCORE_PAR: Estimated person parameters using the Rasch model

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3193   Invalid: 15   Minimum: -2.695   Maximum: 2.915   Mean: 1.163   Standard deviation: 1.561
Type: Continuous   Decimal: 0   Width: 10   Range: -2.69485157126246 - 2.91533592429727   Format: Numeric

RAW_SCORE_PAR_ERROR: Estimated person parameter errors using the Rasch model

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3193   Invalid: 15   Minimum: 0.612   Maximum: 1.091   Mean: 0.87   Standard deviation: 0.181
Type: Continuous   Decimal: 0   Width: 10   Range: 0.611536383689187 - 1.09100171185026   Format: Numeric

PROB_MOD_SEV: Probability of being moderately or severely food insecure

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3193   Invalid: 15   Minimum: 0   Maximum: 0.998   Mean: 0.807   Standard deviation: 0.315
Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 0.998451571895148   Format: Numeric

PROB_SEV: Probability of being severely food insecure

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3193   Invalid: 15   Minimum: 0   Maximum: 0.83   Mean: 0.356   Standard deviation: 0.348
Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 0.829722609913552   Format: Numeric

AGE: Age of the respondent

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3208   Invalid: 0   Minimum: 18   Maximum: 92   Mean: 33.184   Standard deviation: 12.48
Type: Continuous   Decimal: 0   Width: 10   Range: 18 - 92   Format: Numeric

EDUCATION: Education of the respondent

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3208   Invalid: 0
Type: Discrete   Decimal: 0   Width: 12   Range: 1 - 7   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Secondary	1289	40.2%
2	Primary/Elementary	772	24.1%
3	Didn't attend school	794	24.8%
4	Tertiary	339	10.6%
5	Others (specify)	6	0.2%
6	Don't know	7	0.2%
7	Refused	1	0%
Sysmiss		0	

AREA: Area

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3208   Invalid: 0
Type: Discrete   Decimal: 0   Width: 12   Range: 1 - 4   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	A town	2141	66.7%
2	The suburbs of a big city	294	9.2%
3	A village	307	9.6%
4	The center of a big city	466	14.5%
Sysmiss		0	

GENDER: Gender of the respondent

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3208   Invalid: 0
Type: Discrete   Decimal: 0   Width: 12   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Male	1602	49.9%
2	Female	1606	50.1%
Sysmiss		0	

▌ INCOME: Income quintile

Data file: LBR_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 3208   Invalid: 0
Type: Discrete   Decimal: 0   Width: 12   Range: 1 - 6   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Less than (or about 15,250.00 LRD) per month	1918	59.8%
2	Between15,250.00 and76,250.00 LRD per month	456	14.2%
3	Don't know	745	23.2%
4	Between 76,250.00 and 152,500.00 LRD per month	38	1.2%
5	Refused	34	1.1%
6	Above152,500.00 LRD per month	17	0.5%
Sysmiss		0	

study_resources

questionnaires

Food Insecurity Experience Scale: Questionnaire

title	Food Insecurity Experience Scale: Questionnaire
language	English
description	This document contains the 8 FIES questions as they were asked during the survey
filename	FIES_Questions.pdf

technical_documents

Computed variables at respondent level

title	Computed variables at respondent level
language	English
description	This document contains the methodology of the derived variables and the computation of the indicator 2.1.2.
filename	Derived_variables_and_Computation_indicator.pdf