

Food Insecurity Experience Scale 2021

FAO Statistics Division

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visit_data_catalog_at: <https://microdata.worldbank.org/index.php>

Identification

SURVEY ID NUMBER

LAO_2021_FIES_v01_M_v01_A_OCS

TITLE

Food Insecurity Experience Scale 2021

COUNTRY/ECONOMY

| Name | Country code |
|---------|--------------|
| Lao PDR | LAO |

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 GeoPoll. 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. Disaggregating results at sub-national level is not encouraged because estimates will suffer from substantial sampling and measurement error.

KIND OF DATA

Sample survey data [ssd]

UNIT OF ANALYSIS

Individuals

Scope

NOTES

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?

In addition to the FIES questions, socio-demographic information on the respondent/household including gender, age, urban or rural area, region, education, composition of the household was collected.

TOPICS

| Topic |
|-------------|
| SDGs |
| Food Access |

KEYWORDS

| Keyword |
|-----------------|
| Food Insecurity |
| SDG |

Coverage

GEOGRAPHIC COVERAGE

National coverage

UNIVERSE

Individuals of 15 years or older.

Producers and sponsors

PRIMARY INVESTIGATORS

| Name | Affiliation |
|-------------------------|-------------|
| FAO Statistics Division | FAO |

Sampling

SAMPLING PROCEDURE

A sampling quota of at least 200 observations per each Administrative 1 areas is set

Exclusions: NA

Design effect: NA

WEIGHTING

Post-stratification weights are provided. Population statistics are used to weight the data by gender, age, and, where reliable data are available, education or socioeconomic status.

data_collection

DATES OF DATA COLLECTION

| Start | End |
|------------|------------|
| 2021-11-15 | 2021-12-15 |

DATA COLLECTION MODE

Computer Assisted Telephone Interview [cati]

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.

DATA APPRAISAL

Since the population with access to mobile telephones is likely to differ from the rest of the population with respect to their access to food, post-hoc adjustments were made to control for the potential resulting bias. Post-stratification weights were built to adjust the sample distribution by gender and education of the respondent at admin-1 level, to match the same distribution in the total population. However, an additional step was needed to try to ascertain the food insecurity condition of those with access to phones compared to that of the total population.

Using FIES data collected by FAO through the GWP between 2014 and 2019, and a variable on access to mobile telephones that was also in the dataset, it was possible to compare the prevalence of food insecurity at moderate or severe level, and severe level only, of respondents with access to a mobile phone to that of the total population at national level.

Access policy

CONTACTS

| Name | Affiliation | Email | URL |
|-------------------------|-------------|-----------------------|----------------------|
| FAO Statistics Division | FAO | Carlo.Cafiero@fao.org | Link |

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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.

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- 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;
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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_LAO_2021_FIES_v01_M_v01_A_OCS

PRODUCERS

| Name | Abbreviation | Affiliation | Role |
|----------------------------------|--------------|-----------------------------------|---------------------------------------------------|
| Office of Chief Statistician | OCS | Food and Agriculture Organization | Metadata producer |
| Development Economics Data Group | DECDG | The World Bank | Metadata adapted for World Bank Microdata Library |

DATE OF METADATA PRODUCTION
2023-01-17

DDI DOCUMENT VERSION

Version 01 (January 2023): This metadata was downloaded from the FAO website (<https://microdata.fao.org/index.php/catalog>) and it is identical to FAO version (LAO_2021_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 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|
| LAO_2021_FIES_v01_EN_M_v01_A_OCS This dataset contains the variables used to calculate the FIES-based indicator, demographic variables and some derived variables calculated by FAO from the survey. | 0 | 22 |

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

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

| | |
|------------|----|
| Cases: | 0 |
| variables: | 22 |

variables

| ID | Name | Label | Question |
|-----|---------------------|---------------------------------------------------------------------------------------------|----------|
| V1 | Random_ID | Unique respondent identifier | |
| V2 | WORRIED | Worried you would not have enough food to eat because of a lack of money or other resources | |
| V3 | HEALTHY | Unable to eat healthy and nutritious food because of a lack of money or other resources | |
| V4 | FEWFOOD | Ate only a few kinds of foods because of a lack of money or other resources | |
| V5 | SKIPPED | Skipped a meal because there was not enough money or other resources to get food | |
| V6 | ATELESS | Ate less than you thought you should because of a lack of money or other resources | |
| V7 | RUNOUT | Household ran out of food because of a lack of money or other resources | |
| V8 | HUNGRY | Hungry but did not eat because there was not enough money or other resources for food? | |
| V9 | WHLDAY | Went without eating for a whole day because of a lack of money or other resources? | |
| V10 | wt | Post-stratification sampling weights | |
| V11 | year | Year when the study was administered in the country | |
| V12 | N_adults | Number of adults 15 years of age and above in household | |
| V13 | N_child | Number of children under 15 years of age in household | |
| V14 | Raw_score | Sum of Affirmative responses to FIES questions | |
| V15 | Raw_score_par | Estimated person parameters using the Rasch model | |
| V16 | Raw_score_par_error | Estimated person parameter errors using the Rasch model | |
| V17 | Prob_Mod_Sev | Probability of being moderately or severely food insecure | |
| V18 | Prob_sev | Probability of being severely food insecure | |
| V19 | Age | Age of the respondent | |
| V20 | Education | Education of the respondent | |
| V21 | Area | Area | |
| V22 | Gender | Gender of the respondent | |

total: 22

RANDOM_ID: Unique respondent identifier**Data file:** LAO_2021_FIES_v01_EN_M_v01_A_OCS**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 111063222 - 209984903 Format: Numeric

WT: Post-stratification sampling weights**Data file:** LAO_2021_FIES_v01_EN_M_v01_A_OCS**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.145462896 - 5.821682474 Format: Numeric Weighted: yes

WORRIED: Worried you would not have enough food to eat because of a lack of money or other resources**Data file:** LAO_2021_FIES_v01_EN_M_v01_A_OCS**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 0 | No |
| 1 | Yes |

HEALTHY: Unable to eat healthy and nutritious food because of a lack of money or other resources**Data file:** LAO_2021_FIES_v01_EN_M_v01_A_OCS**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 0 | No |

| | |
|---|-----|
| 1 | Yes |
|---|-----|

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

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 0 | No |
| 1 | Yes |

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

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 0 | No |
| 1 | Yes |

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

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 0 | No |
| 1 | Yes |

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

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 0 | No |
| 1 | Yes |

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

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 0 | No |
| 1 | Yes |

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

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 0 | No |
| 1 | Yes |

YEAR: Year when the study was administered in the country

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | 2021 |

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

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 00 | 00 |
| 01 | 01 |
| 02 | 02 |
| 03 | 03 |
| 04 | 04 |
| 05 | 05 |

| | |
|----|-----|
| 06 | 06 |
| 07 | 07 |
| 08 | 08 |
| 09 | 09 |
| 10 | 10+ |

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

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

Questions and instructions

CATEGORIES

| Value | Category |
|--------------|-----------------|
| 00 | 00 |
| 01 | 01 |
| 02 | 02 |
| 03 | 03 |
| 04 | 04 |
| 05 | 05 |
| 06 | 06 |
| 07 | 07 |
| 08 | 08 |
| 09 | 09 |
| 10 | 10+ |

RAW_SCORE: Sum of Affirmative responses to FIES questions

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 8 Format: Numeric

RAW_SCORE_PAR: Estimated person parameters using the Rasch model

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: -2.9830955519844 - 3.29732454396235 Format: Numeric

RAW_SCORE_PAR_ERROR: Estimated person parameter errors using the Rasch model

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.780921421534594 - 1.50963171087427 Format: Numeric

PROB_MOD_SEV: Probability of being moderately or severely food insecure

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 0.991592583065778 Format: Numeric

PROB_SEV: Probability of being severely food insecure

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 0.826855546968695 Format: Numeric

AGE: Age of the respondent

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 18 - 90 Format: Numeric

EDUCATION: Education of the respondent

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

| Value | Category |
|-------|------------------------------------------------------------------------------------------------------------------|
| 1 | Elementary_or_less |
| 2 | Secondary |
| 3 | College |
| 4 | Dont_know |
| 5 | Refused |
| 6 | Didn't attend school |
| 7 | DON'T KNOW |
| 8 | Other [specify] |
| 9 | Primary/Elementary - Completed elementary education or less [up to eight years of basic education] |
| 10 | REFUSED |
| 11 | Secondary - Completed some secondary education up to three years tertiary education [9 to 15 years of education] |
| 12 | Tertiary - Completed four years of education beyond "high school" and/or received a four-year college degree |

AREA: Area

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 8 Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|---------------------------|
| 1 | Urban/Suburbs |
| 2 | Towns/Rural |
| 3 | Dont_know |
| 4 | Refused |
| 5 | A TOWN |
| 6 | A VILLAGE |
| 7 | THE CENTER OF A BIG CITY |
| 8 | THE SUBURBS OF A BIG CITY |

GENDER: Gender of the respondent

Data file: LAO_2021_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | Male |
| 2 | Female |

study_resources

questionnaires

Food Insecurity Experience Scale: Questions

title Food Insecurity Experience Scale: Questions
language English
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
