

Food Insecurity Experience Scale 2015

FAO Statistics Division

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

Identification

SURVEY ID NUMBER

GTM_2015_FIES_v01_M_v01_A_OCS

TITLE

Food Insecurity Experience Scale 2015

COUNTRY/ECONOMY

| Name | Country code |
|-----------|--------------|
| Guatemala | GTM |

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 the Gallup World Poll. General information on the methodology can be found here:

<https://www.gallup.com/178667/gallup-world-poll-work.aspx>. 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 under the "DOCUMENTATION" tab above. 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

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?

The dataset also includes derived variables computed by FAO described in the documentation.

TOPICS

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

KEYWORDS

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

Coverage

GEOGRAPHIC COVERAGE

National

UNIVERSE

Individuals of 15 years or older.

Producers and sponsors

PRIMARY INVESTIGATORS

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

Sampling

SAMPLING PROCEDURE

The sample was drawn proportional to the population and the country was stratified by population size strata.

Exclusions: None

Design effect: 1.36

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 |
|------------|------------|
| 2015-05-19 | 2015-05-30 |

DATA COLLECTION MODE

Face-to-face [f2f]

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 3.6. 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

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

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- 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.

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_GTM_2015_FIES_v01_M_v01_A_OCS

PRODUCERS

| Name | Abbreviation | Affiliation | Role |
|----------------------------------|--------------|-------------|----------|
| Office of the Chief Statistician | OCS | FAO | Metadata |

DDI DOCUMENT VERSION

Version 01 (September 2019). This survey documentation (DDI) is identical to the DDI published in the FAO microdata catalog except for the Document ID and Study ID.

data_dictionary

| Data file | Cases | variables |
|--|-------|-----------|
| GTM_2015_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 | 23 |

Data file: GTM_2015_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: | 23 |

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 GWP 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 | |
| V23 | Income | Income quintile | |

total: 23

RANDOM_ID: Unique respondent identifier**Data file:** GTM_2015_FIES_v01_EN_M_v01_A_OCS**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 111173556 - 210833049 Format: Numeric

WT: Post-stratification sampling weights**Data file:** GTM_2015_FIES_v01_EN_M_v01_A_OCS**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.324381944343218 - 3.22954001315191 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:** GTM_2015_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:** GTM_2015_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: GTM_2015_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: GTM_2015_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: GTM_2015_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: GTM_2015_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: GTM_2015_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: GTM_2015_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 GWP was administered in the country

Data file: GTM_2015_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 | 2015 |

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

Data file: GTM_2015_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 |
|-------|----------|
| 01 | 01 |
| 02 | 02 |
| 03 | 03 |
| 04 | 04 |
| 05 | 05 |
| 06 | 06 |

| | |
|----|----|
| 07 | 07 |
| 08 | 08 |

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

Data file: GTM_2015_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 |

RAW_SCORE: Sum of Affirmative responses to FIES questions

Data file: GTM_2015_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: GTM_2015_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: -2.21191353904059 - 2.70349338790736 Format: Numeric

RAW_SCORE_PAR_ERROR: Estimated person parameter errors using the Rasch model**Data file:** GTM_2015_FIES_v01_EN_M_v01_A_OCS**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.532070476368305 - 0.945671327780749 Format: Numeric

PROB_MOD_SEV: Probability of being moderately or severely food insecure**Data file:** GTM_2015_FIES_v01_EN_M_v01_A_OCS**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 0.999284987934357 Format: Numeric

PROB_SEV: Probability of being severely food insecure**Data file:** GTM_2015_FIES_v01_EN_M_v01_A_OCS**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 0.809355612784541 Format: Numeric

AGE: Age of the respondent**Data file:** GTM_2015_FIES_v01_EN_M_v01_A_OCS**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 15 - 91 Format: Numeric

EDUCATION: Education of the respondent**Data file:** GTM_2015_FIES_v01_EN_M_v01_A_OCS**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 5 Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|--------------------|
| 1 | Elementary_or_less |
| 2 | Secondary |
| 3 | College |

| | |
|---|-----------|
| 4 | Dont_know |
| 5 | Refused |

AREA: Area

Data file: GTM_2015_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

| Value | Category |
|-------|---------------|
| 1 | Urban/Suburbs |
| 2 | Towns/Rural |
| 3 | Dont_know |
| 4 | Refused |

GENDER: Gender of the respondent

Data file: GTM_2015_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 |

INCOME: Income quintile

Data file: GTM_2015_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 5 Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|-------------|
| 1 | Poorest_20% |
| 2 | Second_20% |
| 3 | Middle_20% |
| 4 | Fourth_20% |
| 5 | Richest_20% |

study_resources

questionnaires

Food Insecurity Experience Scale 2016, Questions

title Food Insecurity Experience Scale 2016, Questions
language English
description This document contains the 8 FIES questions as they were asked during the survey
filename FIES_Questions.pdf

technical_documents

Derived variables and methodology to compute indicator 2.1.2

title Derived variables and methodology to compute indicator 2.1.2
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
