Food Insecurity Experience Scale 2022

FAO Statistics Division

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Identification

SURVEY ID NUMBER
HTI_2022_FIES_v01_M_v01_A_OCS

TITLE
Food Insecurity Experience Scale 2022

COUNTRY

Name	Country code
Haiti	HTI

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. General information on the methodology can be found here: https://www.geopoll.com/. 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
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.

The survey module was administered to respondents who answered on behalf of themselves (individually-referenced module). The questionnaire was translated into the main languages of each country.

TOPICS

Topic
SDGs
Food Access

KEYWORDS

Keyword
Food Insecurity
SDG

Coverage

GEOGRAPHIC COVERAGE
National and admin 1

UNIVERSE
Individuals of 15 years or older with access to landline and/or mobile phones.

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
FAO Statistics Division	FAO

Sampling

SAMPLING PROCEDURE
NA
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
2022-07-15	2022-09-15

DATA COLLECTION MODE
Computer-Assisted Telephone Interviewing [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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Metadata production

DDI DOCUMENT ID

DDI_HTI_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 (HTI_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
HTI_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.	2005	23

Data file: HTI_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:	2005
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: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 2005 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: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1984 Invalid: 21
Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	219	11%
1	Yes	1765	89%
Sysmiss		21	

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

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1966 Invalid: 39
Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	312	15.9%
1	Yes	1654	84.1%
Sysmiss		39	

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

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1977 Invalid: 28
Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	965	48.8%
1	Yes	1012	51.2%
Sysmiss		28	

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

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1996 Invalid: 9
Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	471	23.6%
1	Yes	1525	76.4%
Sysmiss		9	

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

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1983 Invalid: 22
Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	188	9.5%

1	Yes	1795	90.5%
Sysmiss		22	

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

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1990 Invalid: 15
Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	466	23.4%
1	Yes	1524	76.6%
Sysmiss		15	

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

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1995 Invalid: 10
Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	393	19.7%
1	Yes	1602	80.3%
Sysmiss		10	

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

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1987 Invalid: 18
Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	1315	66.2%
1	Yes	672	33.8%
Sysmiss		18	

WT: Post-stratification sampling weights

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 2005 Invalid: 0 Minimum: 0.117 Maximum: 21.252 Mean: 1 Standard deviation: 1.558
Type: Continuous Decimal: 0 Width: 10 Range: 0.117058823 - 21.25228797 Format: Numeric Weighted: yes

YEAR: Year when the study was administered in the country

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 2005 Invalid: 0
Type: Discrete Decimal: 0 Width: 12 Range: 1 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	2022	2005	100%
Sysmiss		0	

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

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 2005 Invalid: 0
Type: Discrete Width: 12 Range: 1 - 9 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	

01	01	57	2.8%
02	02	399	19.9%
03	03	421	21%
04	04	413	20.6%
05	05	291	14.5%
06	06	183	9.1%
07	07	103	5.1%
08	08	67	3.3%
09	09	26	1.3%
10	10+	45	2.2%
Sysmiss		0	

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

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 2005 Invalid: 0
Type: Discrete Width: 12 Range: 0 - 9 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
00	00	370	18.5%
01	01	416	20.7%
02	02	492	24.5%
03	03	365	18.2%
04	04	197	9.8%
05	05	94	4.7%
06	06	36	1.8%
07	07	20	1%
08	08	7	0.3%
09	09	5	0.2%
10	10+	3	0.1%
Sysmiss		0	

RAW_SCORE: Sum of Affirmative responses to FIES questions

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1886 Invalid: 119 Minimum: 0 Maximum: 8 Mean: 5.849 Standard deviation: 1.947
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 8 Format: Numeric

RAW_SCORE_PAR: Estimated person parameters using the Rasch model

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1886 Invalid: 119 Minimum: -2.94 Maximum: 3.756 Mean: 1.535 Standard deviation: 1.635
Type: Continuous Decimal: 0 Width: 10 Range: -2.93952443478175 - 3.7559259760651 Format: Numeric

RAW_SCORE_PAR_ERROR: Estimated person parameter errors using the Rasch model

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1886 Invalid: 119 Minimum: 0.753 Maximum: 1.393 Mean: 1.024 Standard deviation: 0.227
Type: Continuous Decimal: 0 Width: 10 Range: 0.752942563556132 - 1.39319894960762 Format: Numeric

PROB_MOD_SEV: Probability of being moderately or severely food insecure

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1886 Invalid: 119 Minimum: 0 Maximum: 0.998 Mean: 0.849 Standard deviation: 0.278
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 0.998248169249903 Format: Numeric

PROB_SEV: Probability of being severely food insecure

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1886 Invalid: 119 Minimum: 0 Maximum: 0.911 Mean: 0.423 Standard deviation: 0.343
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 0.91144273835474 Format: Numeric

AGE: Age of the respondent

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 2005 Invalid: 0 Minimum: 18 Maximum: 85 Mean: 34.426 Standard deviation: 11.442
Type: Continuous Decimal: 0 Width: 10 Range: 18 - 85 Format: Numeric

EDUCATION: Education of the respondent

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 2005 Invalid: 0
Type: Discrete Decimal: 0 Width: 12 Range: 1 - 7 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Tertiary institution	476	23.7%
2	Primary/Elementary school	419	20.9%
3	Secondary school	1016	50.7%
4	Didn't attend school	79	3.9%
5	REFUSED	8	0.4%
6	DON'T KNOW	4	0.2%
7	Other [specify]	3	0.1%
Sysmiss		0	

AREA: Area

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 2005 Invalid: 0
Type: Discrete Decimal: 0 Width: 12 Range: 1 - 7 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	A VILLAGE	165	8.2%
2	A FARM	776	38.7%
3	A TOWN	466	23.2%
4	THE SUBURBS OF A BIG CITY	245	12.2%
5	THE CENTER OF A BIG CITY	312	15.6%
6	DON'T KNOW	23	1.1%
7	REFUSED	18	0.9%
Sysmiss		0	

GENDER: Gender of the respondent

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 2005 Invalid: 0
Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Male	1203	60%
2	Female	802	40%
Sysmiss		0	

INCOME: Income quintile

Data file: HTI_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 2005 Invalid: 0
Type: Discrete Decimal: 0 Width: 12 Range: 1 - 6 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Between 10000 and 50000 G	457	22.8%
2	Less than 10000 G	613	30.6%
3	REFUSED	250	12.5%
4	DON'T KNOW	635	31.7%
5	Between 50001 and 100000 G	32	1.6%
6	Above 100000 G	18	0.9%
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