

Food Insecurity Experience Scale 2022

FAO Statistics Division

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Identification

SURVEY ID NUMBER

COD_2022_FIES_v01_M_v01_A_OCS

TITLE

Food Insecurity Experience Scale 2022

COUNTRY

Name	Country code
Congo, Dem. Rep.	COD

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?

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 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	2022-09-09

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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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_COD_2022_FIES_v01_M_v01_A_OCS

PRODUCERS

Name	Abbreviation	Affiliation	Role
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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 (COD_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
COD_2022_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.	5369	23

Data file: COD_2022_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: 5369

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: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5369 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: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5361 Invalid: 8
 Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	739	13.8%
1	Yes	4622	86.2%
Sysmiss		8	

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

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5357 Invalid: 12
 Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	916	17.1%
1	Yes	4441	82.9%
Sysmiss		12	

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

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5355 Invalid: 14
 Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	832	15.5%
1	Yes	4523	84.5%
Sysmiss		14	

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

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5354 Invalid: 15
 Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	854	16%
1	Yes	4500	84%
Sysmiss		15	

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

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5360 Invalid: 9
 Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	756	14.1%

1	Yes	4604	85.9%
Sysmiss		9	

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

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5357 Invalid: 12
Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	1593	29.7%
1	Yes	3764	70.3%
Sysmiss		12	

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

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5339 Invalid: 30
Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	2022	37.9%
1	Yes	3317	62.1%
Sysmiss		30	

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

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5352 Invalid: 17
Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	2906	54.3%
1	Yes	2446	45.7%
Sysmiss		17	

WT: Post-stratification sampling weights

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5369 Invalid: 0 Minimum: 0.316 Maximum: 7.012 Mean: 0.999 Standard deviation: 0.786
 Type: Continuous Decimal: 0 Width: 10 Range: 0.316121495327103 - 7.01162790697675 Format: Numeric
 Weighted: yes

YEAR: Year when the study was administered in the country

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5369 Invalid: 0
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	2022	5369	100%
Sysmiss		0	

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

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5369 Invalid: 0
 Type: Discrete Width: 12 Range: 0 - 9 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
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00	00	17	0.3%
01	01	842	15.7%
02	02	1773	33%
03	03	1015	18.9%
04	04	751	14%
05	05	423	7.9%
06	06	258	4.8%
07	07	141	2.6%
08	08	72	1.3%
09	09	35	0.7%
10	10+	42	0.8%
Sysmiss		0	

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

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5369 Invalid: 0
 Type: Discrete Width: 12 Range: 0 - 9 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
00	00	840	15.6%
01	01	752	14%
02	02	1066	19.9%
03	03	889	16.6%
04	04	724	13.5%
05	05	455	8.5%
06	06	273	5.1%
07	07	157	2.9%
08	08	93	1.7%
09	09	40	0.7%
10	10+	80	1.5%
Sysmiss		0	

RAW_SCORE: Sum of Affirmative responses to FIES questions

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5275 Invalid: 94 Minimum: 0 Maximum: 8 Mean: 6.041 Standard deviation: 2.169
 Type: Continuous Decimal: 0 Width: 10 Range: 0 - 8 Format: Numeric

RAW_SCORE_PAR: Estimated person parameters using the Rasch model

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5275 Invalid: 94 Minimum: -3.079 Maximum: 3.333 Mean: 1.411 Standard deviation: 1.821
 Type: Continuous Decimal: 0 Width: 10 Range: -3.0791268694392 - 3.3331900110909 Format: Numeric

RAW_SCORE_PAR_ERROR: Estimated person parameter errors using the Rasch model

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5275 Invalid: 94 Minimum: 0.714 Maximum: 1.316 Mean: 1.045 Standard deviation: 0.24
 Type: Continuous Decimal: 0 Width: 10 Range: 0.714057474340012 - 1.31565475112135 Format: Numeric

PROB_MOD_SEV: Probability of being moderately or severely food insecure

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5275 Invalid: 94 Minimum: 0 Maximum: 0.997 Mean: 0.801 Standard deviation: 0.316
 Type: Continuous Decimal: 0 Width: 10 Range: 0 - 0.997201278735705 Format: Numeric

PROB_SEV: Probability of being severely food insecure

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5275 Invalid: 94 Minimum: 0 Maximum: 0.866 Mean: 0.42 Standard deviation: 0.372
 Type: Continuous Decimal: 0 Width: 10 Range: 0 - 0.86605419629286 Format: Numeric

AGE: Age of the respondent

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5369 Invalid: 0 Minimum: 18 Maximum: 94 Mean: 34.04 Standard deviation: 12.994
 Type: Continuous Decimal: 0 Width: 10 Range: 18 - 94 Format: Numeric

EDUCATION: Education of the respondent

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5369 Invalid: 0
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 7 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Tertiary	936	17.4%
2	Secondary	1288	24%
3	Primary/Elementary	2542	47.3%
4	Didn't attend school	560	10.4%
5	Don't know	23	0.4%
6	Other [specify]	4	0.1%
7	Refused	16	0.3%
Sysmiss		0	

AREA: Area

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5369 Invalid: 0
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 4 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	A village	1360	25.3%
2	The center of a big city	1445	26.9%
3	A town	877	16.3%
4	The suburbs of a big city	1687	31.4%
Sysmiss		0	

GENDER: Gender of the respondent

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5369 Invalid: 0
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Male	2681	49.9%
2	Female	2688	50.1%
Sysmiss		0	

INCOME: Income quintile

Data file: COD_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 5369 Invalid: 0
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 6 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Between ... and ... per month (or 100-500 USD)	1650	30.7%
2	Less than (or about 100 USD) per month	3058	57%
3	Don't know	413	7.7%
4	Refused	49	0.9%
5	Between ... and ... per month (or 500-1000 USD)	154	2.9%
6	Above ... per month (or above 1000 USD)	45	0.8%
Sysmiss		0	

study_resources

questionnaires

Food Insecurity Experience Scale: Questionnaire

title Food Insecurity Experience Scale: Questionnaire
country Congo,D.R.
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
country Congo,D.R.
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
