Food Insecurity Experience Scale 2020

FAO Statistics Division

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

Identification

SURVEY ID NUMBER
BFA_2020_FIES_v01_M_v01_A_OCS

TITLE
Food Insecurity Experience Scale 2020

COUNTRY/ECONOMY

Name	Country code
Burkina Faso	BFA

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
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 Random Digit Dialling (RDD) approach was used to form a random sample of telephone numbers. Stratified phone numbers made available from telephone service providers or administrative registers were also used to integrate RDD when needed. Socio-demographic characteristics collected in the survey were then compared with the available information from recent national surveys to verify the extent to which the sample mirrored the total population structure. In case of discrepancies, post-stratification sampling weights were computed to adjust for the under-represented populations, typically using sex and education level.
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
2020-09-15	2020-11-15

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
Not Available.

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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- 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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Metadata production

DDI DOCUMENT ID
DDI_BFA_2020_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
2023-01-24

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 (BFA_2020_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
BFA_2020_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.	0	22

Data file	Cases	variables
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Data file: BFA_2020_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:	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: BFA_2020_FIES_v01_EN_M_v01_A_OCS

Overview

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

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WT: Post-stratification sampling weights

Data file: BFA_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 0.381025456 - 8.231660703   Format: Numeric   Weighted: yes

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

Data file: BFA_2020_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: BFA_2020_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: BFA_2020_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: BFA_2020_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: BFA_2020_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: BFA_2020_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: BFA_2020_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: BFA_2020_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: BFA_2020_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	2020

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

Data file: BFA_2020_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: BFA_2020_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: BFA_2020_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: BFA_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0   Invalid: 0

Type: Continuous   Decimal: 0   Width: 10   Range: -3.26977768947093 - 3.25468015514037   Format: Numeric

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RAW_SCORE_PAR_ERROR: Estimated person parameter errors using the Rasch model

Data file: BFA_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0   Invalid: 0

Type: Continuous   Decimal: 0   Width: 10   Range: 0.780656190432614 - 1.43576580537981   Format: Numeric

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PROB_MOD_SEV: Probability of being moderately or severely food insecure

Data file: BFA_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0   Invalid: 0

Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 0.99350468976104   Format: Numeric

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PROB_SEV: Probability of being severely food insecure

Data file: BFA_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0   Invalid: 0

Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 0.831614265763529   Format: Numeric

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AGE: Age of the respondent

Data file: BFA_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0   Invalid: 0

Type: Continuous   Decimal: 0   Width: 10   Range: 18 - 99   Format: Numeric

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EDUCATION: Education of the respondent

Data file: BFA_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 0   Invalid: 0

Type: Discrete   Decimal: 0   Width: 12   Range: 1 - 58   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	Elementary_or_less
2	Secondary
3	College
4	Dont_know
5	Refused
6	An alphabet I
7	Analohabète
8	Analph
9	Analphabe
10	Analphabet
11	analphabete
12	Analphabete
13	Analphabéte
14	analphabète
15	Analphabète
16	Analphabètes
17	Analphabeti
18	Analphabetic
19	Ananphabette
20	Anaphabet
21	Anaphabète
22	Anaphabett
23	Anaphabette
24	anaphate
25	Anaphate
26	Arabe
27	Aucun
28	Aucun idée
29	Aucun niveau
30	Bac +5
31	Coranique
32	Ecole coranique
33	École coranique
34	École coroniqur
35	Exile coranique
36	Franco-arabe
37	Il n'a PA fréquenter

38	Il n'a PA fréquenter
39	Ilkettre
40	illetre
41	Illetre
42	Illétré
43	Illetrée
44	Illetrte
45	Illette
46	illettre
47	Illettre
48	illettré
49	Illettré
50	Illettte
51	Illttre
52	Madersa
53	Medersa
54	Non Etudie
55	Nr
56	Ollettre
57	Pas de niveau
58	Rc

AREA: Area

Data file: BFA_2020_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: BFA_2020_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

GENDER: Gender of the respondent

Data file: BFA_2020_FIES_v01_EN_M_v01_A_OCS

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