Albania - Food Insecurity Experience Scale (FIES)

FAO Statistics Division

Report generated on: July 9, 2021

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Overview

Identification

ID NUMBER
ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

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 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]

UNITS 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?

TOPICS

Topic	Vocabulary	URI
SDGs		
Food Access		

KEYWORDS
Food Insecurity, SDG

Coverage

GEOGRAPHIC COVERAGE
National

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

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
FAO Statistics Division	FAO

Metadata Production

METADATA PRODUCED BY

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

DDI DOCUMENT VERSION
ALB_2020_FIES_v01_EN_M_v01_A_OCS_v01

DDI DOCUMENT ID
DDI_ALB_2020_FIES_v01_EN_M_v01_A_OCS_FAO

Sampling

Sampling Procedure

A simple stratified sample design was used for selection of mobile phone samples. Within each explicit stratum (service provider), sample of specified size was drawn using pure Random Digit Dial (RDD) procedures. Sampling was done independently within each stratum. All sampled numbers were pre-screened for working status.
Respondents contacted by mobile telephone were screened for those aged 15 and older; no additional selection procedure was performed.

For the purpose of data collection, the total initial sample was split into random subsamples (replicate samples) and released sequentially based on the progress of interviewing in different strata. The goal was to release an optimum amount of sample each time to achieve a high response rate while completing the targeted number of interviews within the field period.
Exclusions: NA
Design effect: 1.59

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.

Questionnaires

No content available

Data Collection

Data Collection Dates

Start	End	Cycle
2020-11-24	2020-12-21	N/A

Data Collection Mode

Mobile Telephone

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.

Other Processing

As part of the statistical disclosure control process, values for number of children and number of adults that were 10 or above, were recoded as "10+" and categories for area were combined into "urban/suburbs" and "towns/rural".

Data Appraisal

Estimates of Sampling Error

The margin of error is estimated as 3.9.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.

Other forms of Data Appraisal

The variable WORRIED was not considered in the computation of the published FAO food insecurity indicator based on FIES due to the results of the validation process.

File Description

Variable List

ALB_2020_FIES_v01_EN_M_v01_A_OCS

Content	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	1000
Variable(s)	22
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
53	Random_ID	Unique respondent identifier	contin	numeric	
54	HEALTHY	Unable to eat healthy and nutritious food because of a lack of money or other resources	discrete	character	
55	FEWFOOD	Ate only a few kinds of foods because of a lack of money or other resources	discrete	character	
56	SKIPPED	Skipped a meal because there was not enough money or other resources to get food	discrete	character	
57	ATELESS	Ate less than you thought you should because of a lack of money or other resources	discrete	character	
58	RUNOUT	Household ran out of food because of a lack of money or other resources	discrete	character	
59	HUNGRY	Hungry but did not eat because there was not enough money or other resources for food?	discrete	character	
60	WHLDAY	Went without eating for a whole day because of a lack of money or other resources?	discrete	character	
61	wt	Post-stratification sampling weights	contin	numeric	
62	year	Year when the study was administered in the country	discrete	numeric	
63	N_adults	Number of adults 15 years of age and above in household	discrete	character	
64	N_child	Number of children under 15 years of age in household	discrete	character	
65	Raw_score	Sum of Affirmative responses to FIES questions	contin	numeric	
66	Raw_score_par	Estimated person parameters using the Rasch model	contin	numeric	
67	Raw_score_par_error	Estimated person parameter errors using the Rasch model	contin	numeric	
68	Prob_Mod_Sev	Probability of being moderately or severely food insecure	contin	numeric	
69	Prob_sev	Probability of being severely food insecure	contin	numeric	
70	Age	Age of the respondent	contin	numeric	
71	Education	Education of the respondent	discrete	numeric	
72	Area	Area	discrete	numeric	
73	Gender	Gender of the respondent	discrete	numeric	
74	Income	Income quintile	discrete	numeric	

Unique respondent identifier(Random_ID)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 111193233-211055953

Valid cases: 1000
Invalid: 0
Minimum: 111193233
Maximum: 211055953
Mean: 160818545.2
Standard deviation: 29303689.4

Unable to eat healthy and nutritious food because of a lack of money or other resources(HEALTHY)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Discrete
Format: character
Width: 12
Range: 0-1

Valid cases: 994
Invalid: 6

Ate only a few kinds of foods because of a lack of money or other resources(FEWFOOD)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Discrete
Format: character
Width: 12
Range: 0-1

Valid cases: 994
Invalid: 6

Skipped a meal because there was not enough money or other resources to get food(SKIPPED)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Discrete
Format: character
Width: 12
Range: 0-1

Valid cases: 994
Invalid: 6

Ate less than you thought you should because of a lack of money or other resources(ATELESS)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Discrete
Format: character
Width: 12
Range: 0-1

Valid cases: 995
Invalid: 5

Household ran out of food because of a lack of money or other resources(RUNOUT)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Discrete
Format: character
Width: 12
Range: 0-1

Valid cases: 992
Invalid: 8

Hungry but did not eat because there was not enough money or other resources for food?(HUNGRY)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Discrete
Format: character
Width: 12
Range: 0-1

Valid cases: 992
Invalid: 8

Went without eating for a whole day because of a lack of money or other resources?(WHLDAY)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Discrete
Format: character
Width: 12
Range: 0-1

Valid cases: 994
Invalid: 6

Post-stratification sampling weights(wt)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0.287468484732059-3.52038985956187

Valid cases: 1000
Invalid: 0
Minimum: 0.3
Maximum: 3.5
Mean: 1
Standard deviation: 0.8

Year when the study was administered in the country(year)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: 1-1

Valid cases: 1000
Invalid: 0

Number of adults 15 years of age and above in household(N_adults)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Discrete
Format: character
Width: 12
Range: 1-9

Valid cases: 1000
Invalid: 0

Number of children under 15 years of age in household(N_child)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Discrete
Format: character
Width: 12
Range: 0-7

Valid cases: 995
Invalid: 5

Sum of Affirmative responses to FIES questions(Raw_score)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-7

Valid cases: 1000
Invalid: 0
Minimum: 0
Maximum: 7
Mean: 1.3
Standard deviation: 2

Estimated person parameters using the Rasch model(Raw_score_par)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: -2.06580877135073-2.59941481700074

Valid cases: 1000
Invalid: 0
Minimum: -2.1
Maximum: 2.6
Mean: -1.2
Standard deviation: 1.3

Estimated person parameter errors using the Rasch model(Raw_score_par_error)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0.604271079789304-1.03258038626631

Valid cases: 1000
Invalid: 0
Minimum: 0.6
Maximum: 1
Mean: 0.9
Standard deviation: 0.2

Probability of being moderately or severely food insecure(Prob_Mod_Sev)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-0.997594016026462

Valid cases: 1000
Invalid: 0
Minimum: 0
Maximum: 1
Mean: 0.2
Standard deviation: 0.4

Probability of being severely food insecure(Prob_sev)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-0.758360781145204

Valid cases: 1000
Invalid: 0
Minimum: 0
Maximum: 0.8
Mean: 0.1
Standard deviation: 0.2

Age of the respondent(Age)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 15-86

Valid cases: 1000
Invalid: 0
Minimum: 15
Maximum: 86
Mean: 40.8
Standard deviation: 16.1

Education of the respondent(Education)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: 1-5

Valid cases: 1000
Invalid: 0

Area(Area)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: 1-3

Valid cases: 1000
Invalid: 0

Gender of the respondent(Gender)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: 1-2

Valid cases: 1000
Invalid: 0

Income quintile(Income)
File: ALB_2020_FIES_v01_EN_M_v01_A_OCS

Overview

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: 1-5

Valid cases: 1000
Invalid: 0

Documentation

Questionnaires

FIES questions

Title	FIES questions
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
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