

Food Insecurity Experience Scale 2022

FAO Statistics Division

report_generated_on: September 13, 2023

visit_data_catalog_at: <http://catalog.ihsn.org/>

Identification

SURVEY ID NUMBER

DNK_2022_FIES_v01_M_v01_A_OCS

TITLE

Food Insecurity Experience Scale 2022

COUNTRY

Name	Country code
Denmark	DNK

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 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]

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?

TOPICS

Topic
SDGs
Food Access

KEYWORDS

Keyword
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 INVESTIGATORS

Name	Affiliation
FAO Statistics Division	FAO

Sampling

SAMPLING PROCEDURE

NA

Exclusions: NA

Design effect: 1.87

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
2022-04-18	2022-06-04

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 4.2. 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.Caferio@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.

ACCESS CONDITIONS

Micro datasets disseminated by FAO shall only be allowed for research and statistical purposes. Any user which requests access working for a commercial company will not be granted access to any micro dataset regardless of their specified purpose. Users requesting access to any datasets must agree to the following minimal conditions:

- 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_DNK_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 (DNK_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
DNK_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.	1001	24

Data file: DNK_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: 1001

variables: 24

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	
76	DEGURBA	Degree of Urbanisation	

total: 24

RANDOM_ID: Unique respondent identifier

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

OverviewValid: 1001 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: DNK_2022_FIES_v01_EN_M_v01_A_OCS

OverviewValid: 1001 Invalid: 0
Type: Discrete Width: 12 Range: 0 - 1 Format: character**Questions and instructions**

CATEGORIES

Value	Category	Cases	
0	No	951	95%
1	Yes	50	5%
Sysmiss		0	

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

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

OverviewValid: 1001 Invalid: 0
Type: Discrete Width: 12 Range: 0 - 1 Format: character**Questions and instructions**

CATEGORIES

Value	Category	Cases	
0	No	948	94.7%
1	Yes	53	5.3%
Sysmiss		0	

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

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0
 Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	922	92.1%
1	Yes	79	7.9%
Sysmiss		0	

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

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0
 Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	965	96.4%
1	Yes	36	3.6%
Sysmiss		0	

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

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0
 Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	951	95%

1	Yes	50	5%
Sysmiss		0	

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

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0
Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	973	97.2%
1	Yes	28	2.8%
Sysmiss		0	

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

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0
Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	966	96.5%
1	Yes	35	3.5%
Sysmiss		0	

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

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0
Type: Discrete Width: 12 Range: 0 - 1 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	988	98.7%
1	Yes	13	1.3%
Sysmiss		0	

WT: Post-stratification sampling weights

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0 Minimum: 0.268 Maximum: 4.944 Mean: 1 Standard deviation: 0.931
 Type: Continuous Decimal: 0 Width: 10 Range: 0.267556697937465 - 4.943829709193 Format: Numeric
 Weighted: yes

YEAR: Year when the study was administered in the country

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	2022	1001	100%
Sysmiss		0	

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

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 997 Invalid: 4
 Type: Discrete Width: 12 Range: 1 - 9 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
-------	----------	-------	--

01	01	309	31%
02	02	441	44.2%
03	03	132	13.2%
04	04	90	9%
05	05	17	1.7%
06	06	3	0.3%
07	07	3	0.3%
09	09	1	0.1%
10	10+	1	0.1%
Sysmiss		4	

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

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 999 Invalid: 2

Type: Discrete Width: 12 Range: 0 - 4 Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
00	00	738	73.9%
01	01	133	13.3%
02	02	91	9.1%
03	03	31	3.1%
04	04	6	0.6%
Sysmiss		2	

RAW_SCORE: Sum of Affirmative responses to FIES questions

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0 Minimum: 0 Maximum: 8 Mean: 0.344 Standard deviation: 1.253

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 8 Format: Numeric

RAW_SCORE_PAR: Estimated person parameters using the Rasch model

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0 Minimum: -2.282 Maximum: 2.782 Mean: -2.075 Standard deviation: 0.753
 Type: Continuous Decimal: 0 Width: 10 Range: -2.28155633112679 - 2.78238982661378 Format: Numeric

RAW_SCORE_PAR_ERROR: Estimated person parameter errors using the Rasch model

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0 Minimum: 0.592 Maximum: 1.102 Mean: 1.065 Standard deviation: 0.119
 Type: Continuous Decimal: 0 Width: 10 Range: 0.592401668361407 - 1.10178333689069 Format: Numeric

PROB_MOD_SEV: Probability of being moderately or severely food insecure

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0 Minimum: 0 Maximum: 0.998 Mean: 0.047 Standard deviation: 0.187
 Type: Continuous Decimal: 0 Width: 10 Range: 0 - 0.997510171667012 Format: Numeric

PROB_SEV: Probability of being severely food insecure

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0 Minimum: 0 Maximum: 0.795 Mean: 0.011 Standard deviation: 0.079
 Type: Continuous Decimal: 0 Width: 10 Range: 0 - 0.794768413255061 Format: Numeric

AGE: Age of the respondent

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0 Minimum: 15 Maximum: 92 Mean: 45.348 Standard deviation: 17.25
 Type: Continuous Decimal: 0 Width: 10 Range: 15 - 92 Format: Numeric

EDUCATION: Education of the respondent

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 5 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Elementary_or_less	7	0.7%
2	Secondary	630	62.9%
3	College	356	35.6%
4	Dont_know	6	0.6%
5	Refused	2	0.2%
Sysmiss		0	

AREA: Area

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Urban/Suburbs	583	58.2%
2	Towns/Rural	416	41.6%
3	Dont_know	2	0.2%
4	Refused	0	0%
Sysmiss		0	

GENDER: Gender of the respondent

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Male	574	57.3%
2	Female	427	42.7%
Sysmiss		0	

INCOME: Income quintile

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Poorest_20%	152	15.2%
2	Second_20%	161	16.1%
3	Middle_20%	210	21%
4	Fourth_20%	213	21.3%
5	Richest_20%	265	26.5%
Sysmiss		0	

DEGURBA: Degree of Urbanisation

Data file: DNK_2022_FIES_v01_EN_M_v01_A_OCS

Overview

Valid: 1001 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Towns and semi-dense areas	315	31.5%
2	Cities	417	41.7%
3	Not available	10	1%
4	Rural areas	259	25.9%
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

Degree of Ubranisation: Harmonized Variable for Cross-country Survey Research

title Degree of Ubranisation: Harmonized Variable for Cross-country Survey Research
language English
filename World_Poll_Degree_of_Urbanisation.pdf
