CENSUS_INS21ES_A_FI_2021_0000

National Reference Metadata in Euro SDMX Metadata Structure (ESMS)

Compiling agency: Statistics Finland

Eurostat metadata
Reference metadata

For any question on data and metadata, please contact: Eurostat user support

1. Contact	Top
1.1. Contact organisation	Statistics Finland
1.1.1. Responsible party	Statistics Finland

1.1.2. Responsible party role	Owner
1.2. Contact organisation unit	Social Statistics
1.5. Contact mail address	00022 Statistics Finland Finland

2. Metadata update	
2.1. Metadata last certified	30/12/2022
2.2. Metadata last posted	30/12/2022
2.3. Metadata last update	30/12/2022

3. Statistical presentation	
3.1. Data description	

Data contains selected topics of the 2021 population and housing census geocoded to a 1 km^2 grid.

3.1.1. Resource title

Population and Housing Census

3.1.2. Resource abstract

In Finland, population and housing census 2021 is conducted totally on the basis of register sources, without sending out questionnaires to the whole population. The first register-based census was completed in 1990. Since 1990 Statistics Finland has conducted censuses using only registers, administrative sources and other statistical databases.

The register-based population census system is built around a set of basic registers which contain comprehensive data on the units that are to be described in the population census. These registers include the data maintained by the Digital and Population Data Services Agency under the population information system and the Register of Buildings and Dwellings, as well as the data from the Business Register that is maintained by Statistics Finland. These registers cover all people resident in Finland, the buildings and dwellings in the country as well as all business companies and their establishments.

The key to the system lies in the identification systems of the different registers, which allow for accurate cross-linking of data. All statistical units can be linked to one another by means of the identification systems: persons can be linked to the dwelling and building where they live to form household-dwelling units and families, and to the employer for whom they are working. Similarly, all units can be located on the map using map coordinates.

In addition to the unit and attribute data contained in basic registers, the register-based population census system makes use of some 30 administrative registers which cover either the whole population or certain sub-populations. The most important among these sources are taxation register data (e.g. data on income, type of income, data on employer); register data from employment pension systems (e.g. data describing employment and employers); data from the Register of Job Applicants (e.g. data on unemployment); data from student registers; and register data from the Social Insurance Institution.

The population census data are produced using the method of register estimation, in which several register sources are used simultaneously to define for each statistical unit the value of the relevant variable. The decision rules are defined in such a way that the data they produce come as close as possible to the data collected by means of questionnaires. Data from earlier population censuses and register data from the same point of time are also consulted in constructing these rules. These include rules on prioritisation between different sources in the event of contradictory data.

3.1.3. Resource type

Spatial data set

3.1.3.1. Additional information if 'spatial data set' is marked

https://data.europa.eu/en

3.1.4. Resource locator

3.1.5. Unique resource identifier

https://data.europa.eu/en

3.1.6. Coupled resource

https://data.europa.eu/en

3.1.7. Resource language

English

3.1.8. Keyword value

Population Distribution

3.1.9. Originating controlled vocabulary
https://inspire.ec.europa.eu/theme/pd

3.1.10. Metadata language
English

3.2. Classification system
The used age classification divides the population into either one-year of five-year cohorts. At a less detailed level, three age groups are used (0-14, 15-64 and 65-).

3.3. Coverage - sector
The permanent resident population of Finland comprises the Finnish citizens and foreign citizens who reside permanently in Finland even if they were temporarily living abroad. A foreign national is included in statistics on the population of Finland if he or she intends to live or has lived in the country for at least 12 months. An asylum seeker is not included in the statistics on the resident population until the Directorate of Immigration has granted him or her a permanent residence permit.
The staff of foreign embassies, trade missions and consulates, their family members and personal employees included, are not counted among the resident population unless they are Finnish citizens. By contrast, the Finnish staff of Finnish embassies and trade missions abroad and persons serving in the UN peacekeeping forces are counted among the resident population.

3.3.1. Topic category
Society

3.3.2. Spatial data service type
Download Service

3.4. Statistical concepts and definitions

3.4.1. Statistical concepts and definitions - Total population
For census purposes, the total population of the country consists of all the persons falling within the scope of the census in EU on usual residents.

Usual residence means the place where a person normally spends the daily period of rest, regardless of temporary absences for purposes of recreation, holidays, visits to friends and relatives, business, medical treatment or religious pilgrimage.

Persons usually resident in the place of enumeration but absent, or expected to be absent, at the time of the census for less than one year shall be considered as temporarily absent persons and thus included in the total unsually population. In contrast, persons living or expected to live outside the place of enumeration for one year or more shall not be considered temporarily absent and shall therefore be excluded from the total population. This is regardless of the length of visits that they may pay to their families from time to time.

Persons who are enumerated but do not meet the criteria for usual residence in the place of enumeration, i.e. do not live or do not expect to live in the place of enumeration for a continuous period of at least 12 months, are considered temporarily present and are therefore not counted in the total usually resident population.Unless otherwise stated in this report.

3.4.2. Statistical concepts and definitions - Sex

The information about sex has been obtained from the Population Information System.

3.4.3. Statistical concepts and definitions - Age

The age reached at the reference date (in completed years).

3.4.4. Statistical concepts and definitions - Employed person

The employed labour force includes all persons aged 18 to 74 who were in gainful employment in the last week of the year and were not registered as unemployed job seekers in the job seeker register of the Ministry of Economic Affairs and Employment or performing mandatory military or non-military service. Data on employment are based on the information of employment pension authorities and the tax administration.

3.4.5. Statistical concepts and definitions - Place of birth

Place of birth is defined as the place of usual residence of the mother at the time of the birth, or, if not available, as the place in which the birth took place. Information on the country of birth is based on the international boundaries existing on 1 January 2021.

3.4.6. Statistical concepts and definitions - Place of usual residence one year prior to the census

The relationship between the current place of usual residence and the place of usual residence one year prior to the census.

For all persons that have changed their usual residence more than once within the year prior to the reference date, the previous place of usual residence is the last usual residence from which they moved to their current place of usual residence.

3.5. Statistical unit
The EU programme for the 2021 population and housing censuses includes data on persons, private households, family nuclei, conventional dwellings and living quarters
3.6. Statistical population
Populations enumerated in the 2021 census are the persons permanently resident in Finland at the turn of the year.
3.7. Reference area
Finland
3.7.1. Geographic bounding box
min_E 4730000, max_E 5417000 min_N 4001000, max_N 5322000
3.7.2. Spatial resolution
1000 Unit:m
3.7.3. Coordinate Reference System
EPSG:3035 - ETRS89 / LAEA Europe
3.8. Coverage - Time
Data refer to the situation in the reporting country at the census reference date (1.1.2021).
3.9. Base period
Not applicable.

4. Unit of measure	Top
Counts of statistical units.	

5. Reference Period	Top
1.1.2021	

5.1. Temporal extent
A mix of individual dates and intervals of dates. The data on the population's activity is from the last week of the previous year.

6. Institutional Mandate	Top

6.1. Institutional Mandate - legal acts and other agreements
Finnish Statistics Act 280/2004

Regulation (EC) No 763/2008 of the European Parliament and of the Council of 9 July 2008 on population and housing censuses |
| **6.2. Institutional Mandate - data sharing** |
| Finnish Statistics Act 280/2004

Regulation (EC) No 763/2008 of the European Parliament and of the Council of 9 July 2008 on population and housing censuses |

7. Confidentiality	Top

7.1. Confidentiality - policy
Statistic Act 280/2004 Article 10

When combining, storing, disposing of and otherwise processing data collected for statistical purposes, care must be taken to ensure that no one's private life or personal data protection or business secrets are jeopardized. The authority that prepares the statistics must ensure that the data is properly protected in all stages of statistical production as separately stipulated.

In Statistics Finland, data is protected from unauthorized use in accordance with the data protection regulations issued by Statistics Finland. |
| **7.2. Confidentiality - data treatment** |
| Confidentiality - 1 km² grid data: Information on the confidentiality treatment of grid data, as requested by Annex III to Reg. 2018/1799. |

8. Release policy	Top

8.1. Release calendar

Statistics Finland publishes the data at 8.00 am unless otherwise stated. All database tables are published in Finnish, Swedish and English.

8.2. Release calendar access

Future releases - Statistics Finland

8.3. Release policy - user access

Statistics Finland publishes new statistical data at 8 am on weekdays in its web service. The release times of statistics are given in advance in the release calendar available in the web service. The data are public after they have been updated in the web service.

Further information: Publication principles or Statistics Finland

8.3.1. Conditions applying to access and use

https://inspire.ec.europa.eu/metadata-codelist/ConditionsApplyingToAccessAndUse/noConditionsApply

8.3.2. Limitations on public access

https://inspire.ec.europa.eu/metadata-codelist/ConditionsApplyingToAccessAndUse/noConditionsApply

9. Frequency of dissemination	Top

Decennial

10. Accessibility and clarity	

10.1. Dissemination format - News release

10.2. Dissemination format - Publications

Statistical data - Statistics Finland

10.3. Dissemination format - online database

PxWeb - Select table (stat.fi)

10.4. Dissemination format - microdata access

Statistics Finland offers statistical data for research purposes that cover a wide range of social topics. Available are research data that are ready to use or can be edited to customer's needs.

Research data | Statistics Finland

10.5. Dissemination format - other

In addition to statistical releases, Statistics Finland offers a variety of free and chargeable products and services, such as various databases, training, research data and guidance.

Products and services | Statistics Finland

10.6. Documentation on methodology

Statistics Finland - Quality description: Population structure 2020

Documentation of statistics Employment - Statistics Finland

10.7. Quality management - documentation

The quality of the employment statistics is evaluated in several different stages of the statistical process. The published data are compared with previous years and other data sources, for example.

Quality management requires comprehensive guidance of activities. The quality management framework of the field of statistics is the European Statistics Code of Practice (CoP). The frameworks complement each other. The quality criteria of Official Statistics of Finland are also compatible with the European Statistics Code of Practice.

Further information: [Quality management	Statistics Finland (stat.fi)](#)External link

11. Quality management	

11.1. Quality assurance

Quality management requires comprehensive guidance of activities. The quality management framework of the field of statistics is the European Statistics Code of Practice (CoP). The frameworks complement each other. The quality criteria of Official Statistics of Finland are also compatible with the European Statistics Code of Practice.

Further information: [Quality management | Statistics Finland (stat.fi)](#)External link

11.1.1. Lineage

Data is final data.

11.1.2. Conformity, specification

Date of publication 31.12.2022

11.1.3. Conformity, degree

100 %

11.2. Quality management - assessment

The quality of statistics is evaluated in several different stages of the statistical process. The published data are compared with previous years and other data sources, for example.

12. Relevance	

12.1. Relevance - User Needs

-

12.2. Relevance - User Satisfaction
-
12.3. Completeness
Data is complete

13. Accuracy	
13.1. Accuracy - overall	
The location of persons is determined by the coordinates of the building they live in. The location of people living in institutions is determined by the coordinates of the institution, if known. However, people living in institutions without coordinates, Finnish nationals living temporarily abroad and people whose location in the municipality is unknown are coded as " FI_unallocated". Approximately one per cent of the population does not have coordinates on the annual level.	
13.2. Sampling error	
Not applicable	
13.3. Non-sampling error	
Not applicable	

14. Timeliness and punctuality	
14.1. Timeliness	
Population structure has been released three months after the reference date on March 2021. The last information (occupation) of the population census is released 22 months after the reference date on the 13th of October 2022.	
14.1.1. Date of publication	
Population structure: 31.3.2021 Employment statistics: 10.3.2022	
14.1.2. Date of last revision	

14/03/2023
14.1.3. Date of creation
31/12/2022
14.2. Punctuality
Data delivered in the agreed schedule.

15. Coherence and comparability	
15.1. Comparability - geographical	
The changing regional classifications (such as changes in municipalities) affect the comparability of certain data (e.g. commuting between municipalities). The data of precise regional divisions (e.g. postal code areas) may contain errors due to the quality of the source data. Employment outside the borders of Finland may cause errors in the employment data of border municipalities.	
15.1.1. Geographic information - data quality	
Data quality as requested by Annex III to Reg. 2018/1799 and Directive 2007/2/EC and its implementing Regulations (EC) No 1205/2008, (EC) No 976/2009 and (EU) No 1089/2010	
15.2. Comparability - over time	
Population data are available from 1749 onwards. The number of population has been made public by parish from 1865 and by municipality from 1920 onwards. The ten-year tables of the clergy provide information about the population's age, marital status and language by parish until 1940. From 1950 onwards these data are available by municipality every ten years on the basis of population censuses. Annual population data by municipality on age, marital status and language can be obtained starting from 1972. Population data by municipality are available in electronic form from 1972 onwards. Population statistics from 1750 onwards have been digitised into PDF format in the National Library's Doria service. Publications on Population structure and Vital statistics in Doria (in Finnish)	
The compilation of employment statistics based on register data was started in 1987. The population and definitions of the employment statistics have remained more or less the same since 1987. However, changes in legislation affect the comparability of some definitions, e.g. economic activity, see more: https://stat.fi/en/statistics/documentation/tyokay#Accuracy,%20reliability%20and%20timeliness.	
15.3. Coherence - cross domain	

Statistics Finland's other statistics use the data of demographic statistics as basic information on population. Consequently, Statistics Finland's other statistics correspond to demographic statistics.

Data on the population's economic activity are also obtained from Statistics Finland's Labour Force Survey, which is a monthly sample survey. Due to the collection method and the deduction of the employed, the data differ somewhat from those of the employment statistics. For example, the number of employed persons is some percentages higher in the Labour Force Survey.

15.4. Coherence - internal

Statistics Finland's other statistics use the data of demographic statistics as basic information on population. Consequently, Statistics Finland's other statistics correspond to demographic statistics.

The population, concepts, definitions, classifications, reference periods and methods of other labour market statistics differ from the employment statistics.

16. Cost and Burden

In total, data from over 30 different registers or data sets are used in the production of employment statistics. Register-based data for the employment statistics are delivered to Statistics Finland in accordance with agreements made with data suppliers. The joint inquiry on establishment structure and personnel of employment statistics and Statistics Finland is sent to multiple-establishment enterprises and corporations towards the end of the year. The inquiry covers annually approximately 5,000 enterprises or corporations. The inquiry is replied to using a web questionnaire.

Administrative data holders send the register data free of charge to Statistics Finland for statistical purposes.

17. Data revision

17.1. Data revision - policy

Revisions – i.e. improvements in the accuracy of statistical data already published – are a normal feature of statistical production and result in improved quality of statistics. The principle is that statistical data are based on the best available data and information concerning the statistical phenomenon. On the other hand, the revisions are communicated as transparently as possible in advance. Advance communication ensures that the users can prepare for the data revisions.

The reason why data in statistical releases become revised is often caused by the data becoming supplemented. Then the new, revised statistical figure is based on a wider information basis and describes the phenomenon more accurately than before.

Revisions of statistical data may also be caused by the calculation method used, such as annual benchmarking or updating of weight structures. Changes of base years and used classifications may also cause revisions to data.

17.2. Data revision - practice

18. Statistical processing

18.1. Source data

The data on population are obtained from the Population Information System of The Digital and Population data services Agency according to the situation at the turn of the year (1.1.2021).

In total, data from over 30 different registers or data sets are used in the production of employment statistics. The most important of these are:

- Population Information System (Digital and Population Data Services Agency)

- Incomes Register

- the register of job seekers of the Ministry of Economic Affairs and Employment

- the pension registers of the Social Insurance Institution of Finland and the Finnish Centre for Pensions

- different student registers

- Conscripts Register of the General Staff of the Armed Forces.

- Statistics Finland's Register of Enterprises and Establishments and the Register of Public Corporations.

- Statistics Finland's Register of Completed Education and Degrees

In addition to registers, some questionnaire inquiries are made:

- inquiry on establishments of persons working in multi-establishment enterprises

- collection of data on occupations from unorganised enterprises

18.2. Frequency of data collection

Data are compiled annually according to the prevalent situation at the turn of the year.

18.3. Data collection

The data on population are obtained from the Population Information System of The Digital and Population data services Agency according to the situation at the turn of the year (1.1.2021).

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18.4. Data validation

Source data arriving are checked technically. The frequencies of the data are compared with earlier years and if necessary, it is checked from the data supplier whether changes have taken place in the statistical topic, data content or classifications.

18.5. Data compilation

The data processing processes combine and complement the data and review and correct the data collected in the collections. These processes can be performed as source data are entered into the database. The process phases are checking and correcting of establishment codes, mechanical enterprise and entrepreneurial linking, manual enterprise linking, mechanical establishment linking, run of checking programs and manual correcting of data.

18.6. Adjustment

19. Comment	Top
No comment	

Related metadata	Top

Annexes