

## ESTONIA

**Region:** Europe and Central Asia

**Income group:** High income

**Summary:** Estonia has reported 3 metadata sources, which collect information on international labour migration statistics. There are two survey based sources such as the *Population and Housing Census* and the *Labour Force Survey* carried out by the Statistics Estonia and one administrative record of the *Register of Employment* held by the Estonian Tax and Customs Board.

Geographically all the sources cover whole country, however different population groups such as:

- *Nationals (citizens) in the country (covered by the Population and Housing Census, the Labour Force Survey, and the Register of Employment),*
- *Nationals (citizens) employed in the country (covered by the Population and Housing Census, the Labour Force Survey, and the Register of Employment),*
- *Foreigners (non-citizens) living in the country (covered by the Population and Housing Census and the Labour Force Survey), and*
- *Foreign workers (non-citizens) living in the country (covered by the Population and Housing Census, the Labour Force Survey, and the Register of Employment).*

Periodicity of data collection varies depending on the type of sources. The *Population and Housing Census* was last processed in 2011; the *Labour Force Survey* is carried out on continuously basis starting from 1995; and the *Register of Employment* start from 2014.

Age coverage also varies depending on the sources. The *Labour Force Survey* persons aged 15 to 74 years are examined, whereas the *Register of Employment* are applied to persons of all ages.

The two essential demographic characteristics covered by all the sources are age and sex. Data on marital status, educational attainment, and household size can also found in the *Population and Housing Census* and the *Labour Force Survey*.

International migration characteristics covered by the two survey based sources are country of birth and country of citizenship. Additionally, in the *Population and Housing Census*, questions on country of previous residence for foreigners, country of previous residence for citizens who lived abroad but returned, and information on immigrants and return migrants are asked. Questions on nationality and foreign workers in the country are added in the *Labour Force Survey*. The *Register of Employment* covers data on foreign workers in the country only.

Labour related characteristics that can be found in all the sources include occupation and status in employment. Data on employment status and industry/economic sector is added in the *Population and Housing Census* and the *Labour Force Survey*. Other data such as individual earnings per month, household income, hours usually worked, whether person has had an occupational injury, and whether person has had disability is also collected in the *Labour Force Survey*.

Definitions of “*international migrant workers*”, “*nationals living abroad*”, and “*employment*” are applied in the sources. Definition of “*employment*” used in the sources is the standard ILO definition.

To classify occupation, industry, status in employment, and education internationally adapted classifications are used in the survey based sources, whereas the *Register of Employment* uses the international classification of occupation only.

Micro data files from the *Labour Force Survey* are available for research and analysis outside the agency free of charge.

## Metadata sources:

| Type of source            | Name of the source            | Agency Responsible             | Periodicity of data collection | Year the source started | Year of the last source |
|---------------------------|-------------------------------|--------------------------------|--------------------------------|-------------------------|-------------------------|
| Q1.Population Census      | Population and Housing Census | Statistics Estonia             | -                              | -                       | 2011                    |
| Q2.Household Survey       | Labour Force Survey           | Statistics Estonia             | Continuously                   | 1995                    | -                       |
| Q6.Administrative Sources | Register of Employment        | Estonian Tax and Customs Board | -                              | 2014                    | -                       |

## Findings:

The latest *Population and Housing Census* was processed in 2011 by the Statistics Estonia, covering the whole country. There are four population groups examined such as:

- *Nationals (citizens) in the country,*
- *Nationals (citizens) employed in the country,*
- *Foreigners (non-citizens) living in the country, and*
- *Foreign workers (non-citizens) living in the country.*

The census obtains detailed data on demographic characteristics of these population groups, such as age, sex, marital status, educational attainment, and household size. The questions raised in the assessment on the topic of international migration related characteristics are:

- Country of birth,
- Country of citizenship,
- Country of previous residence for foreigners, and
- Country of previous residence for citizens who lived abroad but returned.

The census contains questions, which help to collect information on immigrants and return migrants such as "Have you ever lived outside the country?" and "When did you arrive in this country?" The *Population and Housing Census* covers labour related characteristics of all current household members aged 15 years and over, such as:

- Employment status,
- Occupation,
- Industry/economic sector, and
- Status in employment.

The *Population and Housing Census* does not use the specific term of "*international migrant workers*." However, it has published a table called "population by employment and socio-economic status, sex, citizenship and county". It is also possible to divide employed persons by country of birth. "*Employment*" covers persons aged 15 years and older who, during the week preceding the census (19–25 December 2011), 1) performed at least one hour of remunerated work as an employee, employer or a freelancer; 2) worked without direct payment in a family enterprise or farm owned by his/her family; 3) was temporarily absent from work due to leave, illness, etc.; 4) was in compulsory military or community service (conscript). To classify occupation, industry, status in employment, and education, internationally adapted classifications are applied. For example:

- ISCO-08 (where four digits are used to release the data);
- NACE, NAICS (where three digits are used to release the data);
- ICSE-1993; and
- ISCED-1997.

Micro data is unavailable for research and analysis outside the agency.

The **Labour Force Survey** commenced in 1995, and is held continuously by the Statistics Estonia. A completed sample size of the examination is 9,000 households with 19,000 individuals per year. It geographically measures the whole country and amasses information on the following four population groups aged 15 to 74 years old.

- *Nationals (citizens) in the country,*
- *Nationals (citizens) employed in the country,*
- *Foreigners (non-citizens) living in the country, and*
- *Foreign workers (non-citizens) living in the country.*

The survey obtains detailed data on demographic characteristics of each person in a household, such as age, sex, marital status, educational attainment, and household size. Statistics on the following international migration related characteristics are presented through the source:

- Country of birth,
- Country of citizenship,
- Nationality, and
- Foreign workers in the country.

For the population groups assessed in the **Labour Force Survey**, the data on labour related characteristics of all household members aged 15 to 74 years is available, particularly for:

- Employment status,
- Occupation,
- Industry/economic sector,
- Status in employment,
- Individual earnings per month,
- Household income,
- Hours usually worked,
- Whether person has had an occupational injury, and
- Whether person has had disability.

**"International migrant workers"** refer to workers without Estonian citizenship. **"National living abroad"** is a person who stays or intends to stay abroad for a period of one year or more. **"Employment"** refer to all persons who, during the reference period, 1) worked at least 1 hour as a wage earner, entrepreneur or a free-lancer; 2) worked without direct payment in a family enterprise or on his / her own farm; 3) was temporarily absent from work. To classify occupation, industry, status in employment, and education, internationally adapted classifications are applied. For example:

- ISCO-08 (where two digits are used to release the data);
- NACE, NAICS (where two digits are used to release the data);
- ICSE-1993; and
- ISCED-2011.

Micro data is available for research and analysis outside the agency free of charge.

The **Register of Employment** is a data source of government/public employment services from the Estonian Tax and Customs Board since 2014. The source appraises whole country and collects data on the following three population groups of all ages.

- *Nationals (citizens) in the country,*
- *Nationals (citizens) employed in the country, and*
- *Foreign workers (non-citizens) living in the country.*

In the source, data can be found on demographic characteristics such as age and sex. International migration related characteristic accessible through the source is foreign workers in the country. The source also collects data on labour related characteristics such as occupation and status in employment. To classify occupation, internationally adapted classification of ISCO-08 is applied.

Micro data is unavailable for research and analysis outside the agency.

## Q1. Population Census

### *SOURCE*

**Title of source:** 2011 Population and Housing Census

**Year of last census:** 2011

**Agency responsible:** Statistics Estonia

### *COVERAGE*

**Geographical coverage:** Whole country

**Population groups covered:** Nationals (citizens) in the country, nationals (citizens) employed in the country, foreigners (non-citizens) living in the country, foreign workers (non-citizens) living in the country

- **Publication/dissemination of data on population groups covered:** Nationals (citizens) in the country, nationals (citizens) employed in the country, foreigners (non-citizens) living in the country, foreign workers (non-citizens) living in the country

### *TOPIC COVERED*

**Demographic characteristics:** Age, sex, marital status, educational attainment, household size

**International migration related characteristics:** Country of birth, country of citizenship, country of previous residence for foreigners, country of previous residence for citizens who lived abroad but returned

- **Coverage for international migration related characteristics:** All persons
- **Exceptions for international migration related characteristics:** N.A.

**Information about household members left to live abroad:** No

**Labour related characteristics of all current household members:** Employment status, occupation, industry/economic sector, status in employment

- **Age coverage:** 15 years old and over

**Remittances related characteristics:** N.A.

**Information on immigrants and return migrants:** Yes (Questions like "Have you ever lived outside the country?" and "when did you arrive in this country?")

- **Information on the situation of the person prior to leaving the household last time is obtained:** N.A.

**Data collected and not published/disseminated:** No

### *CONCEPTS AND DEFINITIONS*

**Definition of international migrant workers:** It does not use the specific term of international migrant workers. However, it has published a table called "population by employment and socio-economic status, sex, citizenship and county". It is also possible to divide employed persons by country of birth.

**Definition of national (citizen) living abroad:** No.

**Definition of employment:** It covers persons aged 15 years and older who, during the week preceding the census (19–25 December 2011), 1) performed at least one hour of remunerated work as an employee, employer or a freelancer; 2) worked without direct payment in a family enterprise or farm owned by his/her family; 3) was temporarily absent from work due to leave, illness, etc.; 4) was in compulsory military or community service (conscript).

### *CLASSIFICATION*

**Classification used for occupation:** ISCO-08

- **Number of digits used to release occupation data:** 4

**Classification used for industry:** NACE, NAICS

- **Number of digits used to release industry data:** 3

**Classification used for status in employment:** ICSE-1993

**Classification used for status in education:** ISCED-1997

### *DATA COLLECTION AND DISSEMINATION*

**Data collection method:** Face-to-face interview by census enumerator using paper questionnaire (PAPI), face-to-face computer assisted interview by census enumerator (CAPI), self-administered online (web) census questionnaire /Computer Assisted Web Interview (CAWI), administrative sources

**Compulsory participation of households:** Yes

**Official estimate of under-coverage rate:** Yes

- **Under-coverage rate of total population:** 2.3%

**Dissemination of results:** Printed publications, Web site (<http://pub.stat.ee/px-web.2001/dialog/statfile1.asp>; main e-publications: see attached file), Census results in statistics map application (<http://www.stat.ee/76493>)

**Metadata has been prepared and disseminated:** Yes

**Micro-data availability outside NSO/responsible agency:** No

## Q2. Household Survey

### *SOURCE*

**Title of survey:** Labour Force Survey

**Agency responsible:** Statistics Estonia

### *PERIODICITY AND COVERAGE*

**Periodicity of data collection:** Continuously

**Year the survey first started:** 1995

**Geographical coverage:** Whole country

**Population groups covered:** Nationals (citizens) in the country, nationals (citizens) employed in the country, foreigners (non-citizens) living in the country, foreign workers (non-citizens) living in the country

- **Publication/dissemination of data on population groups covered:** Nationals (citizens) in the country, nationals (citizens) employed in the country, foreigners (non-citizens) living in the country, foreign workers (non-citizens) living in the country

**Age coverage:** 15 to 74 years old

### *TOPIC COVERED*

**Demographic characteristics:** Age, sex, marital status, educational attainment, household size

**International migration related characteristics:** Country of birth, country of citizenship, nationality, foreign workers in the country

- **Coverage for international migration related characteristics:** All persons
- **Exceptions for international migration related characteristics:** N.A.

**Information about household members left to live abroad:** No

**Labour related characteristics of all current household members:** Employment status, occupation, industry/economic sector, status in employment, individual earnings per month, household income, hours usually worked, whether person has had an occupational injury, whether person has had disability

**Benefits received from the employer:** N.A.

**Remittances related characteristics:** No

**Information on immigrants and return migrants:** No

- **Information on the situation of the person prior to leaving the household last time is obtained:** N.A.

**Data collected and not published/disseminated:** No

**Information on persons who left to live or work abroad (recruitment, communication, assistance etc.):** No

### *CONCEPTS AND DEFINITIONS*

**Definition of international migrant workers:** It refers to workers without Estonian citizenship

**Definition of national (citizen) living abroad:** It refers to persons who stay or intend to stay abroad for a period of one year or more

**Definition of employment:** It refer to all persons who, during the reference period, 1)worked at least 1 hour as a wage earner, entrepreneur or a free-lancer;2) worked without direct payment in a family enterprise or on his / her own farm; 3) was temporarily absent from work.

### *CLASSIFICATION*

**Classification used for occupation:** ISCO-08

- **Number of digits used to release occupation data:** 2

**Classification used for industry:** NACE, NAICS

- **Number of digits used to release industry data:** 2

**Classification used for status in employment:** ICSE-1993

**Classification used for status in education:** ISCED-2011

### *DATA COLLECTION AND DISSEMINATION*

**Data collection method:** Face-to-face computer assisted interview by census enumerator (CAPI), computer assisted telephone interview by enumerator with data recorded on computer (CATI)

**Compulsory participation of households:** No

**Dissemination of results:** Web site  
([http://pub.stat.ee/px-web.2001/I\\_Databas/Social\\_life/databasetree.asp](http://pub.stat.ee/px-web.2001/I_Databas/Social_life/databasetree.asp))

**Metadata has been prepared and disseminated:** Yes

**Micro-data availability outside NSO/responsible agency:** Yes

- **Limitations:** The right to use the anonymised Estonian LFS micro database can be applied from Statistics Estonia by users for scientific purposes. See <http://www.stat.ee/methodology>
- **Cost of obtaining micro-data:** free of charge

### *SAMPLE DESIGN*

**Sample frame used:** Population census

**Completed sample size:**

- Total household: 9,000 per year
- Total individuals: 19,000 per year

**Evaluation of the overall response rate or refusal rate:** Yes

## **Q6. Administrative Sources**

### *SOURCE*

**Title of source:** Register of Employment

**Agency responsible:** Estonian Tax and Customs Board

**Kind of source:** Data from government/public employment services

## ***PERIODICITY AND COVERAGE***

**Periodicity of data release:** N.A.

**Year the source first started:** 2014

**Geographical coverage:** Whole country

**Population coverage:** Nationals (citizens) in the country, Nationals (citizens) employed in the country, foreign workers (non-citizens) living in the country

- **Publication/dissemination of data on population groups covered:** N.A.

**Age coverage:** All ages

## ***DATA COLLECTED ON PERSONS IN THE ADMINISTRATIVE SOURCE***

**Demographic characteristics:** Age, sex

**Migration related characteristics:** Foreign workers in the country

**Labour related characteristics:** Occupation, status in employment

**Data collected and not published/disseminated:** No

## ***CONCEPTS AND DEFINITIONS***

**Definition of international migrant workers:** N.A.

**Definition of short-term migrant workers:** N.A.

**Definition of a national living abroad:** N.A.

**Definition of employment:** N.A.

**Definition of individual earnings:** N.A.

## ***CLASSIFICATION***

**Classification used for occupation:** ISCO-08

- **Number of digits used to release occupation data:** N.A.

**Classification used for industry:** N.A.

- **Number of digits used to release industry data:** N.A.

**Classification used for status in employment:** N.A.

**Classification used for status in education:** N.A.

## ***DATA COLLECTION AND DISSEMINATION***

**Compulsory registration for the population groups covered:** Yes

**Official estimate of coverage rate:**

- **Estimate coverage rate of total population:** Yes

**Dissemination of results:** Electronic format (CD-ROM, DVD-ROM, diskettes, etc.)

**Metadata has been prepared and disseminated:** No

**Micro-data availability outside NSO/responsible agency:** No