

# Single Integrated Metadata Structure (SIMS v2.0)

(user oriented)

**Country:** Greece

**Compiling agency:** ELSTAT

**Domain name:** VITAL STATISTICS AND ESTIMATED POPULATION

## ELSTAT metadata

### [Reference metadata](#)

- [1. Contact](#)
- [2. Metadata update](#)
- [3. Statistical Presentation](#)
- [4. Unit of measure](#)
- [5. Reference period](#)
- [6. Institutional mandate](#)
- [7. Confidentiality](#)
- [8. Release policy](#)
- [9. Frequency of dissemination](#)
- [10. Accessibility and clarity](#)
- [11. Quality management](#)
- [12. Relevance](#)
- [13. Accuracy and reliability](#)
- [14. Timeliness and punctuality](#)
- [15. Coherence and comparability](#)
- [16. Cost and burden](#)
- [17. Data revision](#)
- [18. Statistical processing](#)
- [19. Comment](#)

### 1. Contact [Top](#)

<b>1.1 Contact organisation</b>	HELLENIC STATISTICAL AUTHORITY
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### 2. Metadata update [Top](#)

<b>2.1 Metadata last certified</b>	18,1,2018
<b>2.2 Metadata last posted</b>	18,1,2018
<b>2.3 Metadata last update</b>	18,1,2018

### 3. Statistical presentation [Top](#)

#### 3.1 Data description

This sector includes Vital Statistics of population (Marriages, Births, Deaths, Registered Partnerships) during the reference year and estimated usual resident population at the middle and at the end of the reference year. The key variables per event are: age, sex, marital status, citizenship, place of birth, place of residence, place of incident (region, regional unity, municipality), education level, occupation, causes of death, etc. Moreover, it includes basic demographic indicators (nuptiality, natality, ageing and mortality), as well as life tables. The sources of vital data are administrative records (registries). Usual resident population is estimated.

#### 3.2 Classification system

Geographical classification: 6-digit Geographical Division of the country "KAPODISTRIAS 2009" and from 2013 onwards, 8-digit Geographical Division of the country "KALLIKRATIS",  
Classification of Occupations: 2-digit STEP '92 and from 2013 onwards, 2-digit ISCO 08  
Classification of education: National classifications and from 2013 onwards, ISCED  
Classification of diseases: 4-digit ICD 09 and from 2014 onwards, 4-digit ICD 10  
Classification of religion: National classifications  
Classification of citizenship: 2-digit National classification

#### 3.3 Sector coverage

Vital Statistics – Estimated Population

#### 3.4 Statistical concepts and definitions

"Birth" is the birth of a child which breathes or shows any other evidence of life, regardless of gestational age.  
"Death" is the permanent disappearance of all evidence of vital functions, at any time after birth.  
"Stillbirth" is the fetal death regardless of the duration of pregnancy.  
"Neonatal death" is death occurring among live births during the first 28 days of life.  
"Parity" is the number of previous live births or stillbirths.  
"Underlying cause of death" is the disease or injury which initiated the train of morbid events leading directly to death, or the circumstances of the accident or violence which produced the fatal injury.  
"Citizenship" is the particular legal bond between an individual and their own state, gained by birth or naturalization, whether it is by declaration, choice, marriage or other means in accordance with national law.  
"Resident" is the 'usual resident' in the place where a person normally spends the daily period of rest, regardless of temporary absences, for a period of at least 12 months.  
"Country / place of birth" is the country / place of residence (within current borders, if information is available) of the mother at the time of birth or, if not existed, the country (within current borders, if information is available) in which the birth took place.  
"Neonatal mortality" The ratio of deaths of infants under the age of 28 days during the reference year to the number of live births in the same year. The ratio is expressed per 1,000 live births.  
"Infant mortality" The ratio of deaths of infants under one year of age during the reporting year to the number of live births in the same year. The ratio is expressed per 1,000 live births.  
"Perinatal mortality" The ratio of deaths of infants under the age of one week and stillbirths during the reference year to the number of births (stillbirths included) in the same year. The ratio is expressed per 1,000 births.  
"Life expectancy at birth" The average number of years that an infant is expected to live if subject to current mortality conditions throughout its life (specific probabilities of death according to age).  
"Ageing index" The ratio of youth population (aged 0-14 years old) to senile population (aged 65 years old and over).

**"Total fertility rate"** The mean number of children that would be born alive to a woman during her lifetime if she were to pass through her childbearing years conforming to the fertility rates by age of a given year. The total fertility rate is also used to indicate the replacement level fertility; in more developed countries, a rate of 2.1 is considered to be replacement level.

**"Total Marriage rate"** The number of Marriages conducted per population of 1000 residents.

**"Age dependency rate"** The ratio of economically inactive population (aged 0-14 and 65+ years old) to the economically active population (aged 15-64 years old).

### 3.5 Statistical unit

Individuals

### 3.6 Statistical population

The usual resident population regardless of where the events took place

### 3.7 Reference area

At national level: Total Geographical country  
Geographical Level of data analysis: Municipality

### 3.8 Time coverage

Since 1956.

### 3.9 Base period

Non applicable.

## 4. Unit of measure

[Top](#)

Number of individuals

## 5. Reference period

[Top](#)

Calendar year

## 6. Institutional mandate

[Top](#)

### 6.1 Legal acts and other agreements

The legal framework concerning the organization and operation of ELSTAT is as follows:

- **Law 3832/2010** (Government Gazette No 38, Issue A): "Hellenic Statistical System Establishment of the Hellenic Statistical Authority (ELSTAT) as an Independent Authority", as amended by article 90 paragraphs 8 and 9 of the Law 3842/2010 (Government Gazette No 58, Issue A): "Restoration of fiscal justice, confrontation of tax evasion and other provisions", by article 10 of the Law 3899/2010 (Government Gazette No 212, Issue A): "Urgent measures for the implementation of the assistance program of the Greek Economy", by article 45 of the Law 3943/2011 (Government Gazette No 66, Issue A): "Combating tax evasion, staffing of auditing services and other provisions falling within the competence of the Ministry of Finance", by article 22 paragraph 1 of the Law 3965/2011 (Government Gazette No 113, Issue A): "Operations Reform of the Consignment and Loan Fund, Public Debt Management Agency, Public Enterprises and Government bodies, the establishment of the General Secretary of Public Property and other provisions", by article first of the Law 4047/2012 (Government Gazette No 31, Issue A): "Ratification of the Act of Legislative Content "Very urgent measures for the implementation of the Medium-term Fiscal Strategy 2012-2015 and of the State Budget for 2011" and of the Act of Legislative Content "Regulation of very urgent issues for the implementation of law 4024/2011 "Pension provisions, uniform pay scale - grading system, labour reserve and other provisions for the implementation of the Medium-term Fiscal Strategy Framework 2012-2015" and of issues falling within the competence of the Ministries of Administrative Reform

and E-Governance, Interior, Finance, Environment, Energy and Climate Change, and of Education, Lifelong Learning and Religious Affairs and related to the implementation of the Medium-term Fiscal Strategy Framework 2012-2015" and other provisions", by article 323 of the Law 4072/2012 (Government Gazette No 86, Issue A): "Improvement of the business environment New corporate form - Trade Marks - Realtors - Regulating maritime, port and fishing matters and other provisions" and by article 7 paragraph 1 of the Act of Legislative Content dated 18/11/2012 (Government Gazette No 228, Issue A): "Financial rules and other provisions", by Article 93 of the Law 4182/2013 (Government Gazette No 185, Issue A): "*Code of charitable estate, inheritances in abeyance and other provisions*", by Article 6 paragraph 8 of the Law 4244/2014 (Government Gazette 60, Issue A): "*Integration in Greek law of the Council Directive 2013/1/EU of 20 December 2012 amending Directive 93/109/EC as regards certain detailed arrangements for the exercise of the right to vote and stand as a candidate in elections to the European Parliament for citizens of the Union residing in a Member State of which they are not nationals and amendment of law 2196/1994 (A´ 41) and other provisions*", by Article first subparagraph C.3 of the Law 4254/2014 (Government Gazette No 85, Issue A): "*Measures for the support and development of the Greek economy, in the context of the implementation of Law 4046/2012, and other provisions of law*" and by Article 33, paragraphs 5a and 5b of the Law 4258/2014 (Government Gazette No 94, Issue A): "*Demarcation process and arrangements of matters for streams - arrangements of Urban Planning legislation and other provisions*".

- **Regulation on the Operation and Administration of the Hellenic Statistical Authority** (ELSTAT), 2012, (Government Gazette No 2390, Issue B, 28-8-2012)
- **Regulation (EC) No 223/2009 of the European Parliament and of the Council**, on the European statistics (Official Journal of the European Union L 87/164).
- **Regulation (EC) No 1260/2013 of the European Parliament and of the Council**, on European demographic statistics (Official Journal of the European Union L 330/39).
- **Regulation (EC) No 1338/2011 of the European Parliament and of the Council**, on Community statistics on public health and health and safety at work (Official Journal of the European Union L354/70).
- **Commission Implementing Regulation (EC) No 205/2014**, laying down uniformed conditions for the implementation of Regulation 1260/2013. (Official Journal of the European Union L65/10).
- **Commission Regulation (EU) No 328/2011**, implementing Regulation 1338/2011 as regards statistics on causes of death. (Official Journal of the European Union L90/22).
- **Article 14 of the Law 3470/2006** (Government Gazette No 132, Issue A): "*National Export Council, tax regulations and other provisions*".
- **Article 3, paragraph 1c, of the Law 3448/2006** (Government Gazette No 57, Issue A): "*For the further use of information coming from the public sector and the settlement of matters falling within the responsibility of the Ministry of Interior, Public Administration and Decentralization*".
- **European Statistics Code of Practice**, adopted by the Statistical Programme Committee on 24 February 2005 and promulgated in the Commission Recommendation of 25 May 2005 on the independence, integrity and accountability of the national and Community statistical Authorities, after its revision, which was adopted on 28 September 2011 by the European Statistical System Committee.
- **Presidential Decree 226/2000** (Government Gazette No 195, Issue A): "*Organization of the General Secretariat of the National Statistical Service of Greece*".
- **Articles 4, 12, 13, 14, 15 and 16 of the Law 2392/1996** (Government Gazette No 60, Issue A): "*Access of the General Secretariat of the National Statistical Service of Greece to administrative sources and administrative files, Statistical Confidentiality Committee, settlement of matters concerning the conduct of censuses and statistical works, as well as of matters of the General Secretariat of the National Statistical Service of Greece*".

## 6.2 Data sharing

## 7. Confidentiality

[Top](#)

### 7.1 Confidentiality - policy

The issues concerning the observance of statistical confidentiality by the Hellenic Statistical Authority (ELSTAT) are arranged by articles 6, 7 and 8 of the Law 3832/2010, as amended by article 90 paragraph 8 of the Law 3842/2010 and by article 10 of the Law 3899/2010, as well as by article 8 of the Law 2392/1996, which was brought back into force, in accordance with article 90 paragraph 8 of the Law 3842/2010. Furthermore, ELSTAT disseminates the statistics in compliance with the statistical principles of the European Statistics Code of Practice and in particular with the principle of statistical confidentiality.

### 7.2 Confidentiality - data treatment

- ELSTAT protects and does not disseminate data it has obtained or it has access to, which enable the direct or indirect identification of the statistical units that have provided them by the disclosure of Individual information directly received for statistical purposes, or indirectly supplied from Administrative or other sources. ELSTAT takes all appropriate preventive measures so as to render impossible the identification of individual statistical units by technical or other means that might reasonably be used by a third party. Statistical data that could potentially enable the identification of the statistical unit are disseminated by ELSTAT if and only if:

a) These data have been treated, as it is specifically set out in the Regulation on Statistical Obligations of the agencies of the Hellenic Statistical System (ELSS), in such a way that their dissemination does not prejudice statistical confidentiality or

b) The statistical unit has given its consent, without any reservations, for the disclosure of data.

The confidential data that are transmitted by ELSS agencies to ELSTAT are used exclusively for statistical purposes and the only persons who have the right to have access to these data are the personnel engaged in this task and appointed by an act of the President of ELSTAT.

Issues referring to the observance of statistical confidentiality are examined by the Statistical Confidentiality Committee (SCC) operating in ELSTAT. The responsibilities of this Committee are to make recommendations to the President of ELSTAT on:

- the level of detail at which statistical data can be disseminated, so as the identification, either directly or indirectly, of the surveyed statistical unit is not possible;
- the anonymization criteria for the microdata provided to users;
- the granting to researchers access to confidential data for scientific purposes.

## 8. Release policy

[Top](#)

### 8.1 Release calendar

Monthly provisional figures are announced 7 months after the end of the reference month (Based on the month of entry).

Annual data is announced 10 months after the reference year (based on the year event).

### 8.2 Release calendar access

[http://www.statistics.gr/portal/page/portal/ESYE/BUCKET/General/release\\_calendar\\_en.pdf](http://www.statistics.gr/portal/page/portal/ESYE/BUCKET/General/release_calendar_en.pdf)

### 8.3 User access

ELSTAT's webpage [www.statistics.gr](http://www.statistics.gr) or Statistical Information and Publication Division

(data.dissem@statistics.gr)

## 9. Frequency of dissemination

[Top](#)

Annual

## 10. Accessibility and clarity

[Top](#)

### 10.1 News release

Usually, the annual press release on Vital statistics is announced at the end of September each year and on estimated population at the end of December each year.

### 10.2 Publications

E-publications “living conditions in Greece” and “Greece in figures”.

### 10.3 On-line database

<http://www.statistics.gr/en/statistics/pop>

#### 10.3.1 Data tables - consultations

### 10.4 Micro-data access

### 10.5 Other

<http://dlib.statistics.gr/portal/page/portal/ESYE/>

#### 10.5.1 Metadata – consultations

### 10.6 Documentation on methodology

[http://www.statistics.gr/en/statistics/-/publication/SPO18/-](http://www.statistics.gr/en/statistics/-/publication/SPO18/)

#### 10.6.1 Metadata completeness – rate

### 10.7 Quality documentation

All rational and numeral checks safeguarding quality are being performed.

## 11. Quality management

[Top](#)

### 11.1 Quality assurance

Comparative checks are being performed.

## 11.2 Quality assessment

For vital statistics, very good. High accuracy results.

## 12. Relevance

[Top](#)

### 12.1 User needs

The main data users are researchers (university community, international organizations, research centers etc.), Ministries and journalists.

User requirements are mainly time series for different variables of population and causes of death.

### 12.2 User satisfaction

The Statistical Information and Publication Division of ELSTAT conducts a survey on user satisfaction, at <http://www.statistics.gr/en/user-satisfaction-survey>

### 12.3 Data completeness

Data covers the 95% of the user requirements.

## 13. Accuracy and reliability

[Top](#)

### 13.1 Overall accuracy

To ensure the accuracy of the data, cross checking of data received at the end of each year from other sources, is being performed; In order to control the total number of marriages, data is compiled on the number of marriage licenses issued by the Cathedrals (either political, religious or other religions). To control the total number of births, data is being compiled by the number of male-registered, held on Prefectures.

### 13.2 Sampling error

Non applicable because the survey is exhaustive and data of the whole population under survey is being recorded.

### 13.3 Non-sampling error

We consider that there are no non-sampling errors because in general, all registrars disseminate the data, coders are professionals and relevant data has primarily been checked.

#### **a. Unit non – response**

#### **b. Item non - response**

#### **13.3.1 Coverage error**

##### **13.3.1.1 Over-coverage – rate**

### **13.3.1.2 Common units – proportion**

### **13.3.2 Measurement error**

### **13.3.3 Processing error**

### **13.3.4 Model assumption error**

## **14. Timeliness and punctuality**

[Top](#)

### **14.1 Timeliness**

Vital statistics annual data is announced 305 days after the reference year (based on the year event).  
Life tables and other demographic indexes are announced 365 days after the reference year.  
Estimated Population is announced 365 days after the reference year.

### **14.2 Punctuality**

Data is produced and disseminated according to the predefined timetable.

## **15. Coherence and comparability**

[Top](#)

### **15.1 Comparability - geographical**

Full geographical comparability.

#### **15.1.1 Assymetry for mirror flows statistics – coefficient**

### **15.2 Comparability over time**

1. Data of Vital Statistics: since 1956
2. Life Tables: since 1960
3. Estimated Population: since 1956

### **15.3 Coherence cross-domain**

#### **15.3.1 Coherence – sub annual and annual statistics**

#### **15.3.2 Coherence – National Accounts**

#### 15.4 Coherence - internal

There has been a difference between the estimated population on 1.1.2011 and the results of the Census 2011.

For this reason, estimated population of inter-censal years (2002-2011) was revised.

#### 16. Cost and burden

[Top](#)

Non applicable.

#### 17. Data revision

[Top](#)

##### 17.1 Revision policy

ELSTAT's revision policy is available at link : <http://www.statistics.gr/en/policies>

##### 17.2 Revision practice

Data, if necessary, can be revised according to the most recently updated data.

#### 18. Statistical processing

[Top](#)

##### 18.1 Source data

Sources for vital statistics are Administrative records (Marriage, Birth and Death Certificates) provided by Registries from all around country. Population data are estimated.

##### 18.2 Frequency of data collection

Monthly

##### 18.3 Data collection

Employees of Registry Offices register the Certificates mentioned above in the Registrations Information System of the Ministry of Interior, where the Cause of Death as certified by physician or coroner, is included ELSTAT draws the information required for statistical purposes from the Ministry's central database.

##### 18.4 Data validation

##### 18.5 Data compilation

Compilation of tables by event and by age, sex, marital status, citizenship, place of birth, place of residence, place of event, geographical region, prefecture, education level, occupation, cause of death and other variables and comparative tables (time series), showing the evolution of the Vital Statistics.

Compilation of **estimated total population tables** with the usage of Vital Statistics data and the estimation of yearly net migration.

Compilation of **total fertility rate**\_ The mean number of children that would be born alive to a woman during her lifetime if she were to pass through her childbearing years conforming to the fertility rates by age of a given year. The total fertility rate is also used to indicate the replacement level fertility; in more developed countries, a rate of 2.1 is considered to be replacement level.

Compilation of **life expectancy at birth**\_ The mean number of years that an infant is expected to live if subjected throughout its life to the current mortality conditions (age specific probabilities of death).

Compilation of **total mortality rate**\_ Deaths during the reference year, per 1000 residents.

Compilation of **infant -neonatal- perinatal mortality rate**\_ The ratio of the number of deaths of children under the age of 1 year-28 days-1week old respectively, during the reference year, to the number of live births in that year. The ratio is expressed per 1000 births.

Compilation of **total marriage rate**\_ Marriages conducted per population of 1000 residents.  
Compilation of **age dependency rate**\_ The ratio of economically inactive population (aged 0-14 and 65+ years old) to the economically active population (aged 15-64 years old).  
Compilation of **ageing index**\_ The ratio of youth population (aged 0-14 years old) to senile population (aged 15-64 years old).  
Compilation of **Life tables** by sex and age

#### **18.5.1 Imputation – rate**

#### **18.6 Adjustment**

Not applicable.

#### **18.6.1 Seasonal adjustment**

### **19. Comment**

[Top](#)