

## Single Integrated Metadata Structure (SIMS)

**Country:** Greece

**Compiling agency:** ELSTAT

**Domain name:** Incidents of Infectious Diseases

### ELSTAT metadata

#### [Reference metadata](#)

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

1. Contact <a href="#">Top</a>	
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## 2. Introduction

[Top](#)

### 2.1 Introduction

The survey refers to the collection of the reported incidents per infectious disease during the reference year.

## 3. Metadata update

[Top](#)

### 3.1 Metadata last certified

October 2014

### 3.2 Metadata last posted

October 2014

### 3.3 Metadata last update

October 2014

## 4. Statistical presentation

[Top](#)

### 4.1 Data description

The incidents of infectious diseases are reported to the Hellenic Centre for Disease Control and Prevention (KE.EL.P.NO), which keeps the Epidemiological Surveillance System. The reported diseases are included in the Mandatory Notification List of KE.EL.P.NO (they are analytically mentioned below).

Pursuant to the article 44 of Law No. 3204/23-122003, every public or private health providing agency or every private medical practitioner (doctor) within the framework of their legal operation, are obliged to notify KE.EL.P.NO for every incident of infectious disease that comes to their attention. Incidents are notified when there is clear medical suspicion or within 24 hours from the time of the medical diagnosis.

ELSTAT collects the number of the reported incidents by infectious disease and by month at the level of the Regional Unit (NUTS3) on a yearly basis.

### 4.2 Classification system

The classification system which is used is the international classification of diseases ICD-10.

### 4.3 Sector coverage

Public Health Sector.

### 4.4 Statistical concepts and definitions

The diseases covered by the survey are the Mandatory Notifiable Diseases - that are distinguished in three categories:

#### 1. Immediately Notifiable Diseases:

botulism, anthrax, diphtheria, encephalitis, arbo-viral infections, smallpox, viral hemorrhagic fevers, rabies, melioidosis / glanders, mumps, SARS syndrome, tularaemia, cholera.

#### 2. Notifiable Diseases which must reported within 24 hours from diagnosis:

Influenza (laboratory confirmed), rubella, acute hepatitis A, pertussis, -measles, legionellosis, enterohaemorrhagic e-coli (EHEC), meningitis (bacterial), meningococcal disease, mumps, salmonellosis, shigellosis, food-borne/ water-borne diseases, trichinosis, typhoid fever / paratyphoid.

#### 3. Notifiable Diseases which must be reported one week from diagnosis:

AIDS – Infection by HIV, chickenpox with complications, brucellosis, malaria, echinococcosis, hepatitis acute B / HBs Ag(+) in infants <12 months, hepatitis acute C / confirmed anti-HCV positive (first diagnosis), leishmaniasis, leptospirosis, listeriosis, transmissible spongiform encephalopathy variant (vCJD), poliomyelitis, Q fever, acute infection congenital rubella, syphilis congenital,

-Pursuant to the Decision of the Board of Directors of 10/4/2008 the following are included in the notifiable diseases : syphilis, chlamydia, gonorrhea and HPV, congenital toxoplasma, tetanus, neonatal tetanus and

tuberculosis.

KE.EL.P.NO keeps records on the Epidemiological Surveillance System. Epidemiological Surveillance is the systematic and ongoing collection, analysis and examination of data.

#### 4.5 Statistical unit

The infectious disease.

#### 4.6 Statistical population

The reported incidents by infectious disease.

#### 4.7 Reference area

Data are collected for Greece total.

#### 4.8 Time coverage

Annually from 1967 onwards.

#### 4.9 Base period

No.

### 5. Unit of measure

[Top](#)

Incidents by infectious disease (absolute number).

### 6. Reference period

[Top](#)

One calendar year, as it is recorded at the 31<sup>st</sup> of December of the reference year.

### 7. Institutional mandate

[Top](#)

#### 7.1 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”.*

<http://www.statistics.gr/en/legal-framework>

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).

- 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”.*

## 7.2 Data sharing

From January 2009 onwards, KE.EL.P.NO constitutes the National Focal Point for the European programmes on Public Health of the European Committee. Data are sent to the European Centre For Disease Control.

[http://ec.europa.eu/health/ph/programme/agency/docs/nfp\\_en.pdf](http://ec.europa.eu/health/ph/programme/agency/docs/nfp_en.pdf)

## 8. Confidentiality

[Top](#)

### 8.1 Confidentiality policy

The issues concerning the observance of statistical confidentiality by the Hellenic Statistical Authority (ELSTAT) are arranged by articles 7, 8 and 9 of the Law 3832/2010 as in force, by Articles 8, 10 and 11(2) of the Regulation on Statistical Obligations of the agencies of the Hellenic Statistical System and by Articles 10 and 15 of the Regulation on the Operation and Administration of ELSTAT.

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.

### 8.2 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.

ELSTAT may grant researchers conducting statistical analyses for scientific purposes access to data that enable the indirect identification of the statistical units concerned. The access is granted provided the following conditions are satisfied:

a) an appropriate request together with a detailed research proposal in conformity with current scientific standards have been submitted;

b) the research proposal indicates in sufficient detail the set of data to be accessed, the methods of analyzing them, and the time needed for the research;

c) a contract specifying the conditions for access, the obligations of the researchers, the measures for respecting the confidentiality of statistical data and the sanctions in case of breach of these obligations has been signed by the individual researcher, by his/her institution, or by the organization commissioning the research, as the case may be, and by 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.

The staff of ELSTAT, under any employment status, as well as the temporary survey workers who are employed for the collection of statistical data in statistical surveys conducted by ELSTAT, who acquire access by any means to confidential data, are bound by the principle of confidentiality and must use these data exclusively for the statistical purposes of ELSTAT. After the termination of their term of office, they are not allowed to use these data for any purpose.

Violation of data confidentiality and/or statistical confidentiality by any civil servant or employee of ELSTAT constitutes the disciplinary offence of violation of duty and may be punished with the penalty of final dismissal.

ELSTAT, by its decision, may impose a penalty amounting from ten thousand (10,000) up to two hundred thousand (200,000) euros to anyone who violates the confidentiality of data and/or statistical confidentiality. The penalty is always imposed after the hearing of the defense of the person liable for the breach, depending on the gravity and the repercussions of the violation. Any relapse constitutes an aggravating factor for the assessment of the administrative sanction.

<b>9. Release policy</b>	<a href="#">Top</a>
<b>9.1 Release calendar</b>	
There is no predefined date for the release of data.	
<b>9.2 Release calendar access</b>	
There is no press release.	
<b>9.3 User access</b>	
Data are available to all interested parties through publication of tables on ELSTAT's website at: <a href="http://www.statistics.gr">http://www.statistics.gr</a> at the link Population and Social Conditions- Health Care- Cases of infectious diseases <a href="http://www.statistics.gr/statistics/-/publication/SHE15/-">http://www.statistics.gr/statistics/-/publication/SHE15/-</a> The provisions of the European Statistics Code of Practice, fully respecting professional independence and in objective, professional and transparent manner in which all users are treated equally, govern equal user access to data. Data are not disseminated to users prior to their announcement.	
<b>10. Frequency of dissemination</b>	<a href="#">Top</a>
Annually.	
<b>11. Dissemination format</b>	<a href="#">Top</a>
<b>11.1 News release</b>	
No.	
<b>11.2 Publications</b>	
ELSTAT's Statistical Yearbook.	
<b>11.3 On-line database</b>	
There is no on-line database.	
<b>11.3.1 Data tables – consultations</b>	
The total access to the web page regarding the specific survey for the year 2013 is 1,052 page views (total hits).	
<b>11.4 Micro-data access</b>	
The number of Notifiable Diseases for the Surveillance Data is available by ELSTAT by month and by Department (NUTS3) for every year since 2013. For more information users are encouraged to contact KE.EL.P.NO. Micro data are available to users upon request at: Division of Statistical Information and Publications 46, Peireos & Eponiton str., 185 10 Piraeus Tel. (+30) 213-1352173, FAX: (+30) 213-1352022 E-mail: <a href="mailto:data.dissem@statistics.gr">data.dissem@statistics.gr</a> Confidentiality of data is always ensured (Chapter 8). Due to confidentiality reasons, access to microdata is allowed only under strict conditions.	
<b>11.5 Other</b>	
<a href="http://www.statistics.gr/statistics/-/publication/SHE15/-">http://www.statistics.gr/statistics/-/publication/SHE15/-</a> <a href="http://dlib.statistics.gr/portal/page/portal/ESYE/">http://dlib.statistics.gr/portal/page/portal/ESYE/</a>	
<b>11.5.1 Metadata – consultations</b>	
It has not been calculated, the latest micro data were validated in October 2014.	
<b>12. Accessibility of documentation</b>	<a href="#">Top</a>

<b>12.1 Documentation on methodology</b>
The methodological notes are in accordance with the methodology adopted by KE.EL.P.NO in cooperation with the European Commission.
<b>12.1.1 Metadata completeness - rate</b>
The metadata completeness rate is 100%.
<b>12.2 Quality documentation</b>
No quality report is compiled by ELSTAT.

<b>13. Quality management</b>	<a href="#">Top</a>
<b>13.1 Quality assurance</b>	
<p>KE.EL.P.NO, which is the competent agency for recording infectious diseases and represents the country in the International Organizations related to the prevention of diseases, checks and confirms the notified incidents. ELSTAT checks the data that are transmitted by KE.EL.P.NO, using logical comparability checks. Moreover, ELSTAT applies the Quality Policy which is presented on ELSTAT's website at:</p> <p><a href="http://www.statistics.gr/policies">http://www.statistics.gr/policies</a></p>	
<b>13.2 Quality assessment</b>	
<p>Satisfactory, due to the checks during the whole process and the verification of incidents that are conducted by KE.EL.P.NO (primary data) and due to the checks conducted by ELSTAT.</p>	

<b>14. Relevance</b>	<a href="#">Top</a>
<b>14.1 User needs</b>	
Individuals or agencies related to health such as teachers, students, and researchers.	
<b>14.2 User satisfaction</b>	
The Division of Statistical Information and Publications of ELSTAT conducts the survey on User's satisfaction every six months: <a href="http://www.statistics.gr/user-satisfaction-survey">http://www.statistics.gr/user-satisfaction-survey</a>	
<b>14.3 Completeness</b>	
The completeness of data is considered satisfactory as regards the incidents of the notified diseases. For more information or clarifications please consult the KE.EL.P.NO's website at: <a href="http://www.keelpno.gr">http://www.keelpno.gr</a>	

<b>15. Accuracy and reliability</b>	<a href="#">Top</a>
<b>15.1 Overall accuracy</b>	
The survey is a census survey.	
<b>15.2 Sampling error</b>	
There are no sampling errors.	
<b>15.3 Non-sampling error</b>	
No.	
<b>15.3.1 Coverage error</b>	
The survey is a census survey, there is no coverage error.	
<b>15.3.1.1 Over-coverage rate</b>	
No.	
<b>15.3.1.2 Common Units - proportion</b>	
Not applicable, data are collected only by administrative sources.	
<b>15.3.2 Measurement error</b>	
No.	

<b>15.3.3 Non response error</b>
No, response rate amounts to 100%.
<b>15.3.4 Processing error</b>
No.
<b>15.3.5 Model assumption error</b>
Not applicable.

<b>16. Timeliness and punctuality</b>	<a href="#">Top</a>
<b>16.1 Timeliness</b>	
The time lag between the end of the notification year of the incidents until the first publication of data by ELSTAT is approximately 200-300 days. The data are considered provisional until the completion of data collection from all over Greece, their laboratory verification and their processing by the Department of Epidemiological Surveillance and Intervention of KE.EL.P.NO and then the data are considered final (approximately one and a half year after the end of the notification year).	
<b>16.2 Punctuality</b>	
Publication of final data is usually on time and the statistical product up to date.	

<b>17. Comparability</b>	<a href="#">Top</a>
<b>17.1 Comparability – geographical</b>	
Data are geographically comparable (does not derive from the published table).	
<b>17.1.1 Asymmetry for mirror flows statistics - coefficient</b>	
Not applicable.	
<b>17.2 Comparability – over time</b>	
There is comparability over time, with the only restriction that the list containing diseases of mandatory notification is subject to alterations (addition or deduction of infectious diseases).	

<b>18. Coherence</b>	<a href="#">Top</a>
<b>18.1 Coherence cross-domain</b>	
No check can be performed on the coherence between KE.EL.P.NO's incidents and the data that comes from the Hospital's Discharged in-patients survey conducted by ELSTAT as regards infectious diseases. In general, the first survey records all incidents that are notified while the second one records all incidents that are mandatory hospitalised.	
<b>18.1.1 Coherence – sub annual and annual statistics</b>	
Not applicable, the survey is annual	
<b>18.1.2 Coherence – National Accounts</b>	
Not applicable, there are no common data with the National Accounts.	
<b>18.2 Coherence – internal</b>	
The definitions of the diseases are precise (also presented on KE.EL.P.NO's website), are published by the WHO and are implemented by ELSTAT. Data are collected following a common framework, irrespective of the geographical region, thus ensuring internal coherence.	

<b>19. Cost and burden</b>	<a href="#">Top</a>
Not estimated.	

<b>20. Data revision</b>	<a href="#">Top</a>
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<b>20.1 Revision policy</b>
The Revision Policy implemented by ELSTAT is presented on ELSTAT's website at: <a href="http://www.statistics.gr/policies">http://www.statistics.gr/policies</a>
<b>20.2 Revision practice</b>
The provisional tables of data are sent to the administrative source (KE.EL.P.NO) for review. Data are re-published as final.

<b>21. Statistical processing</b>	<a href="#">Top</a>
<b>21.1 Source data</b>	
Primary data come from KE.EL.P.NO, they are collected annually and refer to the number of mandatory notified incidents by infectious disease.	
<b>21.2 Frequency of data collection</b>	
Data are collected annually.	
<b>21.3 Data collection</b>	
ELSTAT collects data via post directly from KE.EL.P.NO. KE.EL.P.NO collects the relevant data directly from the providers of the health system (public or private).	
<b>21.4 Data validation</b>	
Data are validated by the administrative source (KE.EL.P.NO) by cross-checking the compiled data with the data that comes from the notifications.	
<b>21.5 Data compilation</b>	
Data are compiled under KE.EL.P.NO's supervision. ELSTAT is responsible for editing of the tables that are to be published.	
<b>21.5.1 Imputation - rate</b>	
Not applicable, the survey is a census survey.	
<b>21.6 Adjustment</b>	
No adjustment.	
<b>21.6.1 Seasonal adjustment</b>	
Not applicable.	

<b>22. Comment</b>	<a href="#">Top</a>