

Single Integrated Metadata Structure (SIMS v2.0)

(user oriented)

Country: Greece

Compiling agency: ELSTAT

Domain name: INCIDENTS OF INFECTIOUS DISEASES

ELSTAT metadata

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1. Contact Top	
1.1 Contact organisation	GREEK STATISTICAL AUTHORITY (ELSTAT)
1.2 Contact organisation unit	DIRECTION OF SOCIAL STATISTICS (Γ6) / DEPARTMENT OF HEALTH & SOCIAL INSURANCE AND PROTECTION STATISTICS (Γ62)
1.3 Contact name	Alexandra Zografou
1.4 Contact person function	Correspondence, Data Collection, Data checking, Compilation of tables, Press Release and Quality Report.
1.5 Contact mail address	Pireos 46 and Eponiton, TK 185 10 Pireas
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2. Metadata update		Top
2.1 Metadata last certified	October 2017	
2.2 Metadata last posted	October 2017	
2.3 Metadata last update	January 2018	

3. Statistical presentation		Top
3.1 Data description		
<p>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.</p>		
3.2 Classification system		
The classification system which is used is the international classification of diseases ICD-10.		
3.3 Sector coverage		
Public Health sector.		
3.4 Statistical concepts and definitions		
<p>The diseases covered by the survey are the Mandatory Notifiable Diseases that are distinguished in three categories:</p> <p>1. Immediately Notifiable Diseases: Botulism, anthrax, diphtheria, encephalitis, arbo-viral infections, smallpox, viral hemorrhagic fevers, rabies, melioidosis / glanders, mumps, SARS syndrome, tularaemia, cholera.</p> <p>2. Notifiable Diseases which must be 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.</p> <p>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 <math>\leq 12</math> 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,</p> <p>-Pursuant to the Decision of the Board of Directors of 10/4/2008 the following are included in the notifiable diseases : syphilis, clamydia, gonorrhoea and HPV, congenital toxoplasma, tetanus, neonatal tetanus and tuberculosis.</p> <p>KE.EL.P.NO keeps records on the Epidemiological Surveillance System. Epidemiological Surveillance is the systematic and ongoing collection, analysis and examination of data.</p>		
3.5 Statistical unit		
The infectious disease.		
3.6 Statistical population		
The reported incidents by infectious disease.		

3.7 Reference area
Greece total.
3.8 Time coverage
One calendar year. Annually from 1967 onwards.
3.9 Base period
-

4. Unit of measure Top
Incidents by infectious disease (absolute number).

5. Reference period Top
One calendar year with date of reference 31 st December 2016.

6. Institutional mandate Top
6.1 Legal acts and other agreements
<p>The legal framework concerning the organization and operation of ELSTAT is as follows:</p> <ul style="list-style-type: none"> ➤ Law 3832/2010 (Government Gazette No 38, Issue A): <i>"Hellenic Statistical System Establishment of the Hellenic Statistical Authority (ELSTAT) as an Independent Authority"</i>, as amended and in force ➤ 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). ➤ Article 14 of the Law 3470/2006 (Government Gazette No 132, Issue A): <i>"National Export Council, tax regulations and other provisions"</i>. ➤ Article 3, paragraph 1c, of the Law 3448/2006 (Government Gazette No 57, Issue A): <i>"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"</i>. ➤ 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): <i>"Organization of the General Secretariat of the National Statistical Service of Greece"</i>. ➤ Articles 4, 12, 13, 14, 15 and 16 of the Law 2392/1996 (Government Gazette No 60, Issue A): <i>"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</i>

The Legal Framework is detailed in the following link:

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

6.2 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

7. Confidentiality

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7.1 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.

More precisely: 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.

<http://www.statistics.gr/en/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.
- 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.

8. Release policy

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8.1 Release calendar

There is no predefined date for the release of data. Final data are to be announced approximately twelve months after the end of the reference year.

8.2 Release calendar access

There is announcement calendar.

<http://www.statistics.gr/en/calendar#12018>

8.3 User access

According to the legal framework of the Community and the «European Statistics Code of Practice», ELSTAT announces the results of the survey at its website at: (<http://www.statistics.gr>) at «Statistics> Population and Social Conditions>Health Care». Equal user access to data is defined by the European Statistics Code of Practice of Eurostat with respect to the professional independency and in objective, professional and transparent manner in which all users all users are treated equally. Data are not disseminated to users prior to their announcement.

9. Frequency of dissemination

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Annually. Final data are usually announced fourteen (14) months after the end of the reference year.

10. Accessibility and clarity

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10.1 News release

Press release is compiled.

<http://www.statistics.gr/en/calendar#12018>

10.2 Publications

1. «Statistical Yearbook of Greece». It is provided to subscribers for a fee or after an application to the Hellenic Statistical Authority.
2. «Concise Statistical Yearbook of Greece». ». It is provided to subscribers for a fee or after an application to the Hellenic Statistical Authority.

All above mentioned data are available 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 : data.dissem@statistics.gr

Eurostat's publications : OECD, WHO-Europe (eg. Health in Europe, Health in Statistics).

10.3 On-line database

Users can find more data on the census on ELSTAT's website at:

[http://www.statistics.gr/en/statistics/-/publication/SHE15/-](http://www.statistics.gr/en/statistics/-/publication/SHE15/)

10.3.1 Data tables - consultations

The total access to the web page of the relevant survey for the year 2017 amounts to 2,347 page views (total hits).

10.4 Micro-data access

Micro data are available to users upon request at:

Division of Statistical Information and Publications

46, Pireos & Eponiton str., 185 10 Piraeus

Tel. (+30) 213-1352173, FAX: (+30) 213-1352022

E-mail: data.dissem@statistics.gr

Confidentiality of data is always ensured (Chapter 8). Due to confidentiality reasons, access to microdata is allowed only under strict conditions.

10.5 Other

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

10.5.1 Metadata – consultations

Not measured.

10.6 Documentation on methodology

There is no documentation or methodological note available.

10.6.1 Metadata completeness – rate

The metadata completeness rate is 100%.

10.7 Quality documentation

No quality report is compiled.

11. Quality management

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11.1 Quality assurance

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: <http://www.statistics.gr/policies>

11.2 Quality assessment

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.

12. Relevance

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12.1 User needs

Users are individuals or agencies involved in the health sector for professional or training – research purposes along with International Organizations such as OECD, EUROSTAT and WHO.

12.2 User satisfaction

User's needs are to be followed on a regular basis by the Division of Social Health Statistics and the Department of Health Statistics and Social Insurance and Protection. In general, there is smooth cooperation and as far as possible direct response to requests. At the same time, the Division of Statistical Information and Publications of ELSTAT conducts the user's satisfaction survey every six months:

<http://www.statistics.gr/en/user-satisfaction-survey>

12.3 Data completeness

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: <http://www.keelpno.gr>

13. Accuracy and reliability

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13.1 Overall accuracy

Overall accuracy and reliability of data are considered high since the data refers to census and data questionnaires are completed by the responsible sources with a great response rate amounting to 100%.

13.2 Sampling error

The survey is a census survey.

13.3 Non-sampling error

The non-sampling errors can be clarified by the competent source i.e. KE.EL.P.NO.. (<http://www.keelpno.gr>)

a. Unit non response

b. Item non response

13.3.1 Coverage error

The survey is a census survey. There is not a coverage error.

13.3.1.1 A2. Over coverage rate

It does not exist.

13.3.1.2 A3. Common units proportion

Not applicable. The data are collected from administrative sources.

13.3.2 Measurement error

The errors are corrected through the communication with the competent bodies who provide the data.

13.3.3 Processing error

Checks on questionnaires and on the registered data.

13.3.4 Model assumption error

Not applicable.

14. Timeliness and punctuality

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14.1 Timeliness

According to the legal framework of the Community and the «European Statistics Code of Practice», ELSTAT announces the results of the survey at its website at: (<http://www.statistics.gr>) at «Statistics>Population and Social Conditions>Health Care». Equal user access to data is defined by the European Statistics Code of Practice of Eurostat with respect to the professional independency and in objective, professional and transparent manner in which all users all users are treated equally. Data are not disseminated to users prior to their announcement.

14.2 Punctuality

Results are usually published on time and the statistical product is updated.

15. Coherence and comparability

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15.1 Comparability - geographical

There is comparability since the methodology that is applied is the same all over Greece.

15.1.1 Assymetry for mirror flows statistics – coefficient

Not applicable.

15.2 Comparability over time

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).

15.3 Coherence cross-domain

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.

15.3.1 Coherence – sub annual and annual statistics

Not applicable, the census is conducted annually.

15.3.2 Coherence – National Accounts

Not applicable. There are no common data with the National Accounts.

15.4 Coherence - internal

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.

16. Cost and burden

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There is no extra cost and burden apart from the operating expenses of the relevant department of Social Statistics Division of ELSTAT.

17. Data revision

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17.1 Revision policy

The Revision policy implemented by ELSTAT is presented on ELSTAT's website at:
<http://www.statistics.gr/documents/20181/a49dca9a-dacf-4b52-b5df-b156216cb354>

17.2 Revision practice

The provisional tables of data are sent to the administrative source (KE.EL.P.NO) for review. Data are re-published as final.

ELSTAT's Revision Policy is being implemented as presented on ELSTAT's website at:
<http://www.statistics.gr/documents/20181/a49dca9a-dacf-4b52-b5df-b156216cb354>

18. Statistical processing

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18.1 Source data

Primary data come from KE.EL.P.NO, they are collected annually and refer to the number of mandatory notified incidents by infectious disease.

18.2 Frequency of data collection

The frequency of data collection is annual.

18.3 Data collection

Questionnaires are filled by the administrative sources and are transmitted to KEELPNO.

18.4 Data validation

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.

18.5 Data compilation

Data are compiled under KE.EL.P.NO's supervision. ELSTAT is responsible for editing of the tables that are to be published.

18.5.1 Imputation – rate

Not applicable.

18.6 Adjustment

There is no adjustment.

18.6.1 Seasonal adjustment

There is no seasonal adjustment.

19. Comment

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