

Single Integrated Metadata Structure (SIMS v2.0)

(user oriented)

Country: Greece

Compiling agency: ELSTAT

Domain name: Survey on in-patient hospital care

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1. Contact Top	
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2. Metadata update

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2.1 Metadata last certified	22/11/2018
2.2 Metadata last posted	22/11/2018
2.3 Metadata last update	22/11/2018

3. Statistical presentation

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3.1 Data description

The survey covers all the public hospitals, the Legal Entities under Private or Public Law and the private hospitals that were in operation until 31 December of the reference year of the survey. Data are compiled concerning the number of patients discharged, focusing mainly on their demographic characteristics and the disease on account of which they were hospitalised (provided that they were hospitalised for at least one day in the above mentioned hospitals). The data are collected from the hospitals every month on a census basis. Once collected, the data are processed on a census basis.

Furthermore, from 2013 onwards the survey records data on one-day clinics cases (surgeries or other medical procedures) that require a few-hour hospitalisation of the patient, without overnight stay in the hospital, and encompass cases of many medical specialities.

3.2 Classification system

The diseases are classified in accordance with ICD-10 (International Classification of Diseases and related health problems) of the World Health Organisation (WHO).

The patient's occupation is classified in accordance with the International Standard Classification of Occupations, ISCO-08, of the International Labour Office (corresponding to EU ISCO-COM8).

The other variables (legal form, speciality of the hospital) are classified on the basis of classifications laid down by ELSTAT.

The data are geographically broken down on the basis of the Classification of Territorial Units for Statistics, level NUTS 3.

3.3 Sector coverage

Public health.

3.4 Statistical concepts and definitions

The surveyed variables are as follows:

1. Specialty of the Hospital
2. Legal form of the hospital
3. Patients discharged by sex
4. Patient's place of usual residence at the level of Prefecture (NUTS 3)
5. Patient's place of usual residence at the level of Municipality
6. Patient's place of birth at the level of Prefecture (NUTS 3)
7. Patient's place of birth at the level of Municipality
8. Patient's age
9. Marital status
10. Patient's occupation
11. Date of hospital admission
12. Date of hospital discharge
13. Days of hospitalisation
14. The number of surgeries performed
15. The category of the disease
16. The hospital treatment outcome

Definitions

-“Hospital”: a health care institution where health care treatment is provided to patients by specialised medical or non-medical personnel.

Hospitals, depending on their legal form, are classified as Legal Entities under Public Law, Legal Entities under Private Law, and private hospitals. Depending on the medical cases hospitalised, hospitals are distinguished into General, Mixed and Specialised (depending on the Medical Specialties: to cancer, dermatological, cardiological, infectious diseases, gynaecological, psychiatric, orthopaedics, ophthalmologic, pathological, paediatric, tuberculosis hospitals, surgical and otolaryngology hospitals.)

- “Patient”: a person who has been hospitalised for at least one day in the above mentioned hospitals. The survey refers to patients discharged from hospitals and their personal data are recorded every month, once the patient is discharged.

- “Category of the disease”: the main disease diagnosed for which the patient was hospitalised, irrespective of whether another less important disease was diagnosed.

-“Agency which is bearing the expenditure”: the agency covering the hospitalisation cost, i.e. the social security fund or the patient himself.

-“Number of surgeries” total number of inpatient surgical procedures

-“Outcome of the treatment”: the result of the hospitalisation that may be a full recovery, a health improvement, a stable condition, a worsening of patients' condition, death.

-“Days of hospitalisation”: the days during which the patient was hospitalised starting from the day the patient was admitted to hospital until the day when the patient was discharged, without counting the day of the discharge.

3.5 Statistical unit

The public hospital, the hospital classified as Legal Entity under Public and Private Law, as well as the private hospital and the patient hospitalised.

3.6 Statistical population

Patients hospitalised for at least for one day in the above mentioned hospitals.

3.7 Reference area

Regional Unit (hitherto Department – NUTS 3) and Greece total.

3.8 Time coverage

Annual.

3.9 Base period

Not applicable.

4. Unit of measure

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The number of patients.

5. Reference period

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One year.

6. Institutional mandate

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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 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): *"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"*.

The Legal Framework is detailed in the following link:

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

6.2 Data sharing

Questionnaires of Eurostat, OECD, WHO for Health Statistics – Non economic data (Joint Questionnaire in Non Monetary Health Care Statistics).

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?inheritRedirect=true>

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

8.2 Release calendar access

8.3 User access

Data are available in tables posted on the website of ELSTAT, under “ Population and Social Conditions> Health Care >in-patient hospital care”, at the following link:

<http://www.statistics.gr/statistics/-/publication/SHE12/->

Equal access of users to data is governed by the principles of the European Statistics Code of Practice of Eurostat with respect to scientific independence and in an objective, professional and transparent manner in which all users are treated equitably.

Data are not made available to users prior to their announcement.

9. Frequency of dissemination

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Annual.

10. Accessibility and clarity

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10.1 News release

The Press Releases are posted regular on the website of ELSTAT

10.2 Publications

Statistical Yearbook of Greece, Social Welfare and Health Statistics (in electronic format), Living Conditions in Greece, Eurostat publications.

10.3 On-line database

10.3.1 Data tables - consultations

Total acces to the website as regards the above survey for the year 2013 amounts to 1.074 hits.

10.4 Micro-data access

Micro data are made available upon request at :
Division of Statistical Information and Publications
Peiraio 46 & Eponiton, Post Office Box 80847, Postal Code 18510 Piraeus
Tel. (+30) 213-1352173, FAX : (+30) 213-1352022
Email : data.dissem@statistics.gr
Data confidentiality is always ensured (Chapter 8)

10.5 Other

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

10.5.1 Metadata – consultations

Not measured, the latest data were validated in June 2016.

10.6 Documentation on methodology

Methodological documents adopted by International Organisations (Eurostat, WHO, OECD) and the instructions/guidelines for the completion of the respective questionnaires.

Manual on the National Classification of Diseases and Related Health Problems: ICD-10

10.6.1 Metadata completeness – rate

100%

10.7 Quality documentation

No quality report is compiled.

11. Quality management

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11.1 Quality assurance

Quality checks are applied throughout the whole statistical process, from the data collection stage until the compilation of the tables.

The data are collected in electronic form, after the filling in of questionnaires by every Hospital. Data are codified, according to the statistical classifications and undergo logical checks. During the electronic processing, the data are checked and any mistakes are duly corrected. Subsequently, tables are produced and checked, for the compilation of comparable data series.

11.2 Quality assessment

Data quality is considered satisfactory. The electronic transmission of questionnaires can improve timeliness and quality of data.

12. Relevance

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12.1 User needs

Users are individual users or agencies involved with the health sector for educational or professional reasons or for scientific research purposes, as well as International Organisations, the OECD, Eurostat, and WHO.

12.2 User satisfaction

Data on user's profile, the degree of their satisfaction and other relevant information are available on the basis of a relevant survey conducted every six months by the Section of Statistical Dissemination of ELSTAT:

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

12.3 Data completeness

It is considered satisfactory. Response rate for Hospitals amounts to 100%.

13. Accuracy and reliability

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13.1 Overall accuracy

Data are characterised by high accuracy and reliability because the data are filled in by administrative sources with a response rate amounting to 100%.

13.2 Sampling error

The survey is a census survey.

13.3 Non-sampling error

a. Unit non – response

b. Item non - response

13.3.1 Coverage error

The survey is a census survey.

13.3.1.1 Over-coverage – rate

No

13.3.1.2 Common units – proportion

Not applicable; data are collected only from administrative sources

13.3.2 Measurement error

No

13.3.3 Processing error

No

13.3.4 Model assumption error

Not applicable.

14. Timeliness and punctuality

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14.1 Timeliness

The data are published 14 months after the end of the reference year. For the year 2013 the delays observed in the survey are on account of the delay in the data transmission by the administrative sources, the change in the applied version of the classification ICD (from ICD9 to ICD10) and due to the conduct of the survey on a census basis (instead of sample survey).

14.2 Punctuality

The data for each year are published after the completion of their processing and are transmitted, on a voluntary basis, to Eurostat through the Joint Questionnaire in Non Monetary Health Care Statistics.

15. Coherence and comparability

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15.1 Comparability - geographical

The data are geographically comparable. Common methodology and checks are applied by the central offices of ELSTAT to all hospitals throughout Greece.

15.1.1 Assymetry for mirror flows statistics – coefficient

Not applicable.

15.2 Comparability over time

Comparability over time is ensured.

15.3 Coherence cross-domain

There are no similar statistical results for the same variables of the survey

15.3.1 Coherence – sub annual and annual statistics

Not applicable, the survey is annual.

15.3.2 Coherence – National Accounts

Non applicable; no common data with National Accounts.

15.4 Coherence - internal

A common Register of Hospitals is used for all the surveys of the Division of Social Statistics (In-patient Hospital Care Survey and the Hospital Census).

16. Cost and burden

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Not estimated.

17. Data revision	Top
17.1 Revision policy	
The Hellenic Statistical Authority (ELSTAT) has adopted the following revision policy: http://www.statistics.gr/policies	
17.2 Revision practice	
In case of changes in the values of a variable, a revision may take place in the statistical compilations.	
18. Statistical processing	Top
18.1 Source data	
Primary data are received from administrative sources.	
18.2 Frequency of data collection	
The data are collected on a monthly basis.	
18.3 Data collection	
The electronic questionnaires are filled in by the administrative services of the hospitals and are transmitted to ELSTAT.	
18.4 Data validation	
Data are validated by means of quantitative and qualitative checks, which are based on cross-checking of data with the respective data of the previous year.	
18.5 Data compilation	
Once collected ,the data are logically checked, codified and imported in to the electronic database, subsequently the data are tabulated and finally published.	
<u>18.5.1 Imputation – rate</u>	
Not applicable,the survey is a census survey.	
18.6 Adjustment	
No adjustment.	
<u>18.6.1 Seasonal adjustment</u>	
Not applicable.	
19. Comment	Top
A common Register of Hospitals is used for all the surveys conducted by the Division of Social Statistics (Survey on In-patient care and Hospital Census).	