

Caserta claims database

First published: 01/02/2024

Last updated: 17/10/2024

Data source

Human

Administrative healthcare records (e.g., claims)

Primary care medical records

Other

Administrative details

Administrative details

PURI

<https://redirect.ema.europa.eu/resource/45094>

Data source ID

45094

Data source acronym

Caserta database

Data holder

[INSPIRE](#)

Data source type

Administrative healthcare records (e.g., claims)

Primary care medical records

Other

Data source type, other

Laboratory test results, Electronic therapeutic plans, Comprehensive Geriatric Assessment, Indication of use linked to drug prescriptions

Care setting

Hospital outpatient care

Hospital inpatient care

Data source qualification

If the data source has successfully undergone a formal qualification process (e.g., from the EMA, ISO or other certifications), this should be described.

No

Contact details

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Data source regions and languages

Data source countries

Italy

Data source languages

Italian

Data source establishment

Data source established

15/06/2002

Publications

Data source publications

Sultana J, Hurtado I, Bejarano-Quisoboni D, Giorgianni F, Huybrechts KF, Lu Z, Patorno E, Sanf elix-Gimeno G, Tari DU, Trifir  G. Antipsychotic utilization patterns among patients with schizophrenic disorder: a cross-national analysis in four countries. *Eur J Clin Pharmacol*. 2019 Jul75(7):1005-1015.

Kirchmayer U, Sorge C, Sultana J, Lapi F, Onder G, Agabiti N, Cascini S, Roberto G, Corrao G, Vitale C, Lucenteforte E, Mugelli A, Davoli M. Bisphosphonates and cardiovascular risk in elderly patients with previous cardiovascular disease: a population-based nested case-control study in Italy. *Ther Adv Drug Saf*. 2019 Apr 510:2042098619838138.

Ingrasciotta Y, Sultana J, Giorgianni F, Menditto E, Scuteri A, Tari M, Tari DU, Basile G, Trifiro' G. Analgesic drug use in elderly persons: A population-based study in Southern Italy. *PLoS One*. 2019 Sep 1914(9):e0222836. doi: 10.1371/journal.pone.0222836. PMID: 31536588 PMCID: PMC6752879.

Ferrajolo C, Sultana J, Ientile V, Scavone C, Scondotto G, Tari M, Trifir  G, Rossi F, Capuano A. Gender Differences in Outpatient Pediatric Drug Utilization: A Cohort Study From Southern Italy. *Front Pharmacol*. 2019 Feb 510:11.

Ingrasciotta Y, Isgr  V, Ientile V, Tari M, Trifir  G, Guarneri C. Are Patients with Psoriasis and Psoriatic Arthritis Undertreated? A Population-Based Study from Southern Italy. *J Clin Med*. 2021 Jul 3110(15):3431. doi: 10.3390/jcm10153431. PMID: 34362214 PMCID: PMC8348176.

Studies

List of studies that have been conducted using the data source

Extrapyramidal symptoms in patients treated with Abilify Maintena®: Cohort study with a 2-year follow-up using European automated healthcare databases

The BRodalumab Assessment of Hazards: A Multinational Safety (BRAHMS) study in electronic healthcare databases

Impact of EU label changes and revised pregnancy prevention programme for oral retinoid containing medicinal products: utilization and prescribing trends

Effectiveness of heterologous and booster Covid-19 vaccination in 5 European countries, using a cohort approach in children and adults with a full primary Covid-19 vaccination regimen (Covid Vaccines Effectiveness (CoVE))

Rapid Safety Assessment of SARS-CoV-2 vaccines in EU Member States using electronic health care datasources (CVM Covid19-Vaccine-Monitor-EHR)

Data elements collected

The data source contains the following information

Disease information

Does the data source collect information with a focus on a specific disease? This might be a patient registry or other similar initiatives.

Yes

Rare diseases

Are rare diseases captured? In the European Union a rare disease is one that affects no more than 5 people in 10,000.

Yes

Pregnancy and/or neonates

Does the data source collect information on pregnant women and/or neonatal subpopulation (under 28 days of age)?

No

Hospital admission and/or discharge

Yes

ICU admission

Is information on intensive care unit admission available?

No

Cause of death

Not Captured

Prescriptions of medicines

Not Captured

Dispensing of medicines

Captured

Dispensing vocabulary

ATC

Advanced therapy medicinal products (ATMP)

Is information on advanced therapy medicinal products included? A medicinal product for human use that is either a gene therapy medicinal product, a somatic cell therapy product or a tissue engineered products as defined in Regulation (EC) No 1394/2007 [Reg (EC) No 1394/2007 Art 1(1)].

No

Contraception

Is information on the use of any type of contraception (oral, injectable, devices etc.) available?

No

Indication for use

Does the data source capture information on the therapeutic indication for the use of medicinal products?

Captured

Indication vocabulary

ICD-9-CM

Medical devices

Is information on medicinal devices (e.g., pens, syringes, inhalers) available?

No

Administration of vaccines

Yes

Procedures

Does the data source capture information on procedures (e.g., diagnostic tests, therapeutic, surgical interventions)?

Captured

Procedures vocabulary

ICD-9-CM

Healthcare provider

Is information on the person providing healthcare (e.g., physician, pharmacist, specialist) available?
The healthcare provider refers to individual health professionals or a health facility organisation licensed to provide health care diagnosis and treatment services including medication, surgery and medical devices.

No

Clinical measurements

Is information on clinical measurements (e.g., BMI, blood pressure, height) available?

No

Genetic data

Are data related to genotyping, genome sequencing available?

Not Captured

Biomarker data

Does the data source capture biomarker information? The term “biomarker” refers to a broad subcategory of medical signs (objective indications of medical state observed from outside the patient), which can be measured accurately and reproducibly. For example, haematological assays, infectious disease markers or metabolomic biomarkers.

Not Captured

Patient-reported outcomes

Is information on patient-reported outcomes (e.g., quality of life) available?

No

Patient-generated data

Is patient-generated information (e.g., from wearable devices) available?

No

Units of healthcare utilisation

Are units of healthcare utilisation (e.g., number of visits to GP per year, number of hospital days) available or can they be derived? Units of healthcare utilisation refer to the quantification of the use of services for the purpose of preventing or curing health problems.

Yes

Unique identifier for persons

Are patients uniquely identified in the data source?

No

Diagnostic codes

Captured

Medicinal product information

Captured

Medicinal product information collected

Brand name

Package size

Active ingredient(s)

Formulation

Dose

Medicinal product vocabulary

NDC

Quality of life measurements

Not Captured

Lifestyle factors

Not Captured

Sociodemographic information

Not Captured

Quantitative descriptors

Population Qualitative Data

Population age groups

Paediatric Population (< 18 years)

Preterm newborn infants (0 - 27 days)

Term newborn infants (0 - 27 days)

Infants and toddlers (28 days - 23 months)

Children (2 to < 12 years)

Adolescents (12 to < 18 years)

Adults (18 to < 46 years)

Adults (46 to < 65 years)

Elderly (\geq 65 years)

Adults (65 to < 75 years)

Adults (75 to < 85 years)

Adults (85 years and over)

Description of the population covered by the data source in the catchment area whose data are not collected (e.g., people who are registered only for private care)

Regional sub-set - the catchment area is from the province of Caserta in Campania region in Southern Italy

Population

Population size

1281065

Data flows and management

Access and validation

Biospecimen access

Are biospecimens available in the data source (e.g., tissue samples)?

No

Access to subject details

Can individual patients/practitioners/practices included in the data source be contacted?

No

Data source linkage

Linkage

Is the data source described created by the linkage of other data sources (prelinked data source) and/or can the data source be linked to other data source on an ad-hoc basis?

Yes

Linkage description, possible linkage

Administrative databases can be linked to GP database and electronic therapeutic plans (including indication of use coded with ICD9-CM)

Linked data sources

Pre linked

Is the data source described created by the linkage of other data sources?

No

Data source, other

Administrative databases can be linked to GP database and electronic therapeutic plans (including indication of use coded with ICD9-CM)

Linkage variable

Through the anonymized "id"

Data management specifications that apply for the data source

Data source refresh

Yearly

Informed consent for use of data for research

Not Required

Possibility of data validation

Can validity of the data in the data source be verified (e.g., access to original medical charts)?

No

Data source preservation

Are records preserved in the data source indefinitely?

No

Approval for publication

Is an approval needed for publishing the results of a study using the data source?

No

Common Data Model (CDM) mapping

CDM mapping

Has the data source been converted (ETL-ed) to a common data model?

No