

# Caserta claims database

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Data source

Human

Administrative healthcare records (e.g., claims)

Primary care medical records

Other

## Administrative details

### Administrative details

#### 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

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### **Care setting**

Hospital outpatient care

Hospital inpatient care

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### **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

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### **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  lix-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

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### **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

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### **Pregnancy and/or neonates**

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

No

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### **Hospital admission and/or discharge**

Yes

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### **ICU admission**

Is information on intensive care unit admission available?

No

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### **Cause of death**

Not Captured

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### **Prescriptions of medicines**

Not Captured

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### **Dispensing of medicines**

Captured

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### **Dispensing vocabulary**

ATC

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### **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

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### **Contraception**

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

No

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### **Indication for use**

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

Captured

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### **Indication vocabulary**

ICD-9-CM

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### **Medical devices**

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

No

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### **Administration of vaccines**

Yes

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### **Procedures**

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

Captured

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### **Procedures vocabulary**

ICD-9-CM

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### **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

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### **Clinical measurements**

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

No

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### **Genetic data**

Are data related to genotyping, genome sequencing available?

Not Captured

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### **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

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### **Patient-reported outcomes**

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

No

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### **Patient-generated data**

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

No

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### **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

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### **Unique identifier for persons**

Are patients uniquely identified in the data source?

No

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### **Diagnostic codes**

Captured

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### **Medicinal product information**

Captured

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### **Medicinal product information collected**

Brand name

Package size

Active ingredient(s)

Formulation

Dose

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### **Medicinal product vocabulary**

NDC

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### **Quality of life measurements**

Not Captured

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### **Lifestyle factors**

Not Captured

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## 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)

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**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

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**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

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**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

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**Data source, other**

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

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**Linkage variable**

Through the anonymized "id"

## Data management specifications that apply for the data source

**Data source refresh**

Yearly

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**Informed consent for use of data for research**

Not Required

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**Possibility of data validation**

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

No

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**Data source preservation**

Are records preserved in the data source indefinitely?

No

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**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