Health Data Research Platform of the Balearic Islands (PRISIB)

First published: 01/02/2024

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Data source   Human   Hospital inpatient records

Pharmacy dispensing records   Primary care medical records

Administrative details

Administrative details

Data source ID

1111142

Data source acronym

PRISIB

Data holder

Balearic Islands Public Health System (IBSalut)

Data source type

Hospital inpatient records

Pharmacy dispensing records

Primary care medical records

Main financial support

National, regional, or municipal public funding

Care setting

Hospital inpatient care

Primary care – GP, community pharmacist level

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.

Yes

Description of the qualification

EHDEN data partner certification

Data source website

IdISBa - PRISIB

Contact details

PRISIB IdISBA idisba.prisib@ssib.es

(**Main**)

idisba.prisib@ssib.es

Pau Pericàs pau.pericas@ibsalut.es

(**Alternate**)

pau.pericas@ibsalut.es

Data source regions and languages

Data source countries

Spain

Data source languages

Catalan

Spanish

Data source regions

Illes Balears [Islas Baleares]

Data source establishment

Data source established

15/06/2013

Data source time span

First collection: 15/06/2005

The date when data started to be collected or extracted.

Publications

Data source publications

Geographical Distribution and Social Justice of the COVID-19 Pandemic: The Case of Palma (Balearic Islands)

Health and access to healthcare in homeless people

Analysis of the impact of social determinants and primary care morbidity on population health outcomes by combining big data: A research protocol

Development and Evaluation of a Digital Health Intervention to Prevent Type 2 Diabetes in Primary Care: The PREDIABETEXT Study Protocol for a Randomised

Clinical Trial

Health Ministry Precision Medicine infraestructure (Infraestructura de Medicina de Precisión asociada a la Ciencia y la Tecnología - IMPaCT)

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.

No

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)?

Yes

Hospital admission and/or discharge

Yes

ICU admission

Is information on intensive care unit admission available?

Yes

Cause of death

Captured

Cause of death vocabulary

Not coded (Free text)

Prescriptions of medicines

Captured

Prescriptions vocabulary

ATC

other

Prescriptions vocabulary, other

National Drug Registry

Dispensing of medicines

Captured

Dispensing vocabulary

ATC

other

Dispensing vocabulary, other

National Drug Registry

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

ICPC-2

SNOMED

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-10

ICD-9-CM

SNOMED

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.

Yes

Clinical measurements

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

Yes

Genetic data

Are data related to genotyping, genome sequencing available?

Not Captured

Genetic data vocabulary

Other

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.

Captured

Biomarker data vocabulary

Other

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?

Yes

Diagnostic codes

Captured

Diagnosis / medical event vocabulary

ICD-10

ICD-9-CM

ICPC-2

SNOMED

Medicinal product information

Captured

Medicinal product information collected

Active ingredient(s)

Brand name

Dose

Formulation

Route of administration

Medicinal product vocabulary

ATC

Quality of life measurements

Captured

Quality of life measurements vocabulary

Not coded (Free text)

Lifestyle factors

Captured

Lifestyle factors

Alcohol use

Diet

Tobacco use

Sociodemographic information

Captured

Sociodemographic information collected

Age

Country of origin

Deprivation index

Health area

Living in rural area

Pharmaceutical copayment

Sex

Quantitative descriptors

Population Qualitative Data

Population age groups

Paediatric Population (< 18 years)

Neonate

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)

Adult and elderly population (≥18 years)

Adults (18 to < 65 years)

Adults (18 to < 46 years)

Adults (46 to < 65 years)

Elderly (≥ 65 years)

Adults (65 to < 75 years)

Adults (75 to < 85 years)

Adults (85 years and over)

Estimated percentage of the population covered by the data source in the catchment area

100% (Actually, we have access to data of a lot of visitors that are not part of the permanent population)

Family linkage

Family linkage available in the data source permanently or can be created on an ad hoc basis

Ad hoc

Population

Population size

2500000

Active population size

1300000

Population by age group

Age group	Active population size
Paediatric Population (< 18 years)	208048
Term newborn infants (0 – 27 days)	551
Infants and toddlers (28 days – 23 months)	15411
Children (2 to < 12 years)	113563
Adolescents (12 to < 18 years)	77834

Age group	Active population size
Adults (18 to < 46 years)	491139
Adults (46 to < 65 years)	356066
Elderly (≥ 65 years)	207988
Adults (65 to < 75 years)	109968
Adults (75 to < 85 years)	67933
Adults (85 years and over)	30087

Data flows and management

Access and validation

Biospecimen access

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

Yes

Biospecimen access conditions

Our research institute has a Biobank. With proper Ethics approval this speciments could be accessed

Access to subject details

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

Yes

Description of data collection

EHR in public primary care and hospitals

Event triggering registration

Event triggering registration of a person in the data source

Birth

Insurance coverage start

Practice registration

Residency obtained

Event triggering creation of a record in the data source

Being in the census or any contact with the public health system

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, pre-linked

Accross the diferent systems and tables there are a few unique identifiers for every record.

Linkage description, possible linkage

We can link every user with the coordinates of their home or place of care. By having the National ID number or passport of every user we can match any other public source

Linked data sources

Pre linked

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

No

Data source, other

Census

Linkage strategy

Deterministic

Linkage variable

DNI

Linkage completeness

The access to personal data from the national statistics institute is restricted, so may be needed to aggregate users in order to match with those sources.

Pre linked

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

Yes

Data source, other

CMBD – Codification of Hospital Care episodes

Linkage strategy

Deterministic

Linkage variable

Health Record Number (NHC), Health Card registration number(CIP), National ID (DNI), Unique Personal Identification numbre (UIP)

Pre linked

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

No

Data source, other

Continous Home Survey

Linkage strategy

Deterministic

Linkage variable

DNI

Linkage completeness

The access to personal data from the national statistics institute is restricted, so may be needed to aggregate users in order to match with those sources.

Pre linked

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

Yes

Data source, other

Electronic prescription system

Linkage strategy

Deterministic

Linkage variable

Health Record Number (NHC), Health Card registration number(CIP), National ID (DNI), Unique Personal Identification numbre (UIP)

Pre linked

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

Yes

Data source, other

ESIAP – Primary Care Information System

Linkage strategy

Deterministic

Linkage variable

Health Record Number (NHC), Health Card registration number(CIP), National ID (DNI), Unique Personal Identification numbre (UIP)

Linkage completeness

By design, all records should be completly linked accross the systems

Pre linked

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

No

Data source, other

GIS

Linkage strategy

Deterministic

Linkage variable

DNI

Linkage completeness

The access to personal data from the national statistics institute is restricted, so
may be needed to aggregate users in order to match with those sources.

Data management specifications that apply for the data source

Data source refresh

Quarterly

Informed consent for use of data for research

Waiver

Possibility of data validation

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

Yes

Data source preservation

Are records preserved in the data source indefinitely?

Yes

Approval for publication

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

Yes

Data source last refresh

28/05/2025

Common Data Model (CDM) mapping

CDM mapping

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

Yes

CDM Mappings

CDM name

OMOP

CDM website

https://www.ohdsi.org/Data-standardization/

Data source ETL CDM version

5.4

Data source ETL frequency

3,00 months

Data source ETL status

Completed

Data source ETL specifications (link)

https://hdl.handle.net/20.500.13003/20361