Longitudinal Patient Data Spain - OMOP

First published: 01/02/2024

Last updated: 17/10/2024

Data source | Outdated | Human | Hospital outpatient visit records | Primary care medical records | Specialist ambulatory care records

Administrative details

Administrative details

Data source ID

1111151

Data source acronym

LPD SPA

Data holder

IQVIA

Data source type

Hospital outpatient visit records

Primary care medical records

Specialist ambulatory care records

Main financial support

Funding by own institution

Funding from industry or contract research

Care setting

Hospital outpatient care

Primary care – GP, community pharmacist level

Primary care – specialist level (e.g. paediatricians)

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

Data source website

https://www.iqvia.com/solutions/real-world-evidence/real-world-data-and-insights

Contact details

Sarah Seager sarah.seager@iqvia.com

Main

sarah.seager@iqvia.com

Data source regions and languages

Data source countries

Spain

Data source languages

Spanish

Data source establishment

Data source established

01/01/2006

Data source time span

First collection: 01/01/2006

The date when data started to be collected or extracted.

Publications

Data source publications

Background rates of five thrombosis with thrombocytopenia syndromes of special interest for COVID -19 vaccine safety surveillance: incidence between 2017 and 2019 and patient profiles from 38.6 million people in six European countries. Pharmacoepidemiology and Drug Safety (2022). 10.1002/pds.5419.

Comparative risk of thrombosis with thrombocytopenia syndrome or thromboembolic events associated with different covid-19 vaccines: international network cohort study from five European countries and the US. BMJ 2022;379:e071594

Unraveling COVID-19: A Large-Scale Characterization of 4.5 Million COVID-19 Cases Using CHARYBDIS. Clin Epidemiol. 2022;14:369-384.

Studies

List of studies that have been conducted using the data source

Drug Utilisation Study of conjugated oestrogens/bazedoxifene (CE/BZA) in the European Union (EU)

Drug Utilisation Study of Intuniv® (guanfacine extended release) in European Countries, Study protocol I: Database study (Intuniv data base study Europe)

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.

No

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

No

ICU admission

Is information on intensive care unit admission available?

No

Cause of death

Captured

Cause of death vocabulary

Not coded (Free text)

Prescriptions of medicines

Captured

Prescriptions vocabulary

RxNorm

Dispensing of medicines

Captured

Dispensing vocabulary

other

RxNorm

Dispensing vocabulary, other

CVX

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?

Yes

Indication for use

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

Captured

Indication vocabulary

SNOMED

Medical devices

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

No

Administration of vaccines

No

Procedures

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

Captured

Procedures vocabulary

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

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

Biomarker vocabulary, other

LOINC,SNOMED, Free text

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?

Yes

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

SNOMED

Medicinal product information

Captured

Medicinal product information collected

Active ingredient(s)

Brand name

Package size

Route of administration

Strength

Medicinal product vocabulary

Other

RxNorm

If 'other,' what vocabulary is used?

CVX

Quality of life measurements

Not Captured

Lifestyle factors

Captured

Lifestyle factors

Other

Sociodemographic information

Captured

Sociodemographic information collected

Gender

Quantitative descriptors

Population Qualitative Data

Population age groups

Paediatric Population (< 18 years)

Children (2 to < 12 years)

Adolescents (12 to < 18 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)

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)

General 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

2.700.440

Active population size

1.218.036

Population by age group

Age group	Population size	Active population size

Paediatric Population (< 18 years)	355.473	192.851
Children (2 to < 12 years)	181.022	103.833
Adolescents (12 to < 18 years)	141.268	76.896
Adults (18 to < 46 years)	1.108.854	461.283
Adults (46 to < 65 years)	649.960	341.036
Elderly (≥ 65 years)	586.153	222.866
Adults (65 to < 75 years)	260.698	113.974
Adults (75 to < 85 years)	190.021	71.905
Adults (85 years and over)	135.434	36.987

Median observation time

Median time (years) between first and last available records for unique individuals captured in the data source

1.523,00

Median time (years) between first and last available records for unique active individuals (alive and currently registered) capt

4.296,00

Data flows and management

Access and validation

Governance details

Documents or webpages that describe the overall governance of the data source and processes and procedures for data capture and management, data quality check and validation results (governing data access or utilisation for research purposes).

https://www.pharmacoepi.org/resources/policies/guidelines-08027/

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

Description of data collection

Anonymized patient records collected from patient management software used by GPs and selected specialists to document patients' clinical records

Event triggering registration

Event triggering registration of a person in the data source

Practice registration

Event triggering de-registration of a person in the data source

Death

Emigration

Loss to follow up

Practice deregistration

Event triggering creation of a record in the data source

Physician encounter

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?

No

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?

Yes

Approval for publication

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

No

Data source last refresh

01/04/2022

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

5.3.1

Data source ETL frequency

12,00 months

Data source ETL status

Completed