# CDM – Charge Detail Master - OMOP

**First published:** 01/02/2024

**Last updated:** 17/10/2024

Data source | Outdated | Human | Emergency care discharge records | Hospital outpatient visit records

## Administrative details

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### Data source ID

1111127

### Data source acronym

CDM

### Data holder

IQVIA

### Data source type

Emergency care discharge records

Hospital outpatient visit records

### Main financial support

Funding by own institution

Funding from industry or contract research

**Care setting**

Hospital inpatient care

Hospital outpatient care

Other

**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


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**Main**

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# Data source regions and languages

**Data source countries**

United States

**Data source languages**

English

# Data source establishment

**Data source established**

01/01/2007

**Data source time span**

**First collection:** 01/01/2007

The date when data started to be collected or extracted.

# Publications

## Data source publications

Use of repurposed and adjuvant drugs in hospital patients with covid-19: multinational network cohort study. BMJ 2021; 373 :n1038

# Studies

No information provided.

# 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

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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)?

Yes

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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

Captured

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### Prescriptions of medicines

Captured

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### Prescriptions vocabulary

other

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### Prescriptions vocabulary, other

Doesn't distinguish prescription

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### Dispensing of medicines

Captured

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## Dispensing vocabulary

RxNorm

## 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

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

Other

SNOMED

## Procedures vocabulary, other

CPT4

## 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.

Captured

## Biomarker data vocabulary

Other

### Biomarker vocabulary, other

SNOMED,HCPCS,CPT4

### 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

### Medicinal product information

Captured

### Medicinal product information collected

Active ingredient(s)

Brand name

Route of administration

Strength

**Medicinal product vocabulary**

Other

RxNorm

**If 'other,' what vocabulary is used?**

CVX

**Quality of life measurements**

Captured

**Quality of life measurements vocabulary**

Not coded (Free text)

**Lifestyle factors**

Not Captured

**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)

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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)**

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**

113.167.528

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**Active population size**

15.398.274

## Population by age group

| Age group | Population size | Active population size |
|---|---|---|
| Paediatric Population (< 18 years) | 24.265.903 | 2.723.446 |
| Children (2 to < 12 years) | 10.805.863 | 1.260.584 |
| Adolescents (12 to < 18 years) | 6.203.062 | 746.191 |
| Adults (18 to < 46 years) | 38.964.208 | 4.605.372 |
| Adults (46 to < 65 years) | 27.308.608 | 3.999.009 |
| Elderly (≥ 65 years) | 22.628.809 | 4.070.447 |
| Adults (65 to < 75 years) | 15.044.346 | 2.399.560 |
| Adults (75 to < 85 years) | 7.584.463 | 1.670.887 |
| Adults (85 years and over) | 0 | 0 |

## Median observation time

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

103,00

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

692,00

# 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 level data collected from resource management software within short-term acute-care and non-federal hospitals

## 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

**Event triggering creation of a record in the data source**

Hospital discharge, Hospital stay, 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**

Every 6 months

**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

01/12/2022

## 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 frequency

4,00 months

### Data source ETL status

Completed