

Federated Hospital Data Network

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Data source

Human

Hospital discharge records

Pharmacy dispensing records

Administrative healthcare records (e.g., claims)

Hospital outpatient visit records

Hospital inpatient records

Administrative details

Administrative details

Data source ID

1111184

Data source acronym

FHDN

Data holder

[IQVIA](#)

Data source type

Hospital discharge records

Pharmacy dispensing records

Administrative healthcare records (e.g., claims)

Hospital outpatient visit records

Hospital inpatient records

Main financial support

Funding by own institution

National, regional, or municipal public funding

Funding from industry or contract research

Care setting

Hospital inpatient care

Hospital outpatient 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

Data source website

<https://www.iqvia.com/locations/belgium/solutions/real-world-evidence/real-world-evidence-generation>

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Data source regions and languages

Data source countries

Belgium

Data source languages

Dutch

French

English

Data source establishment

Data source established

01/01/2022

Data source time span

First collection: 01/01/2015

The date when data started to be collected or extracted.

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?

Yes

Cause of death

Not Captured

Prescriptions of medicines

Captured

Prescriptions vocabulary

other

Prescriptions vocabulary, other

CNK, INN

Dispensing of medicines

Captured

Dispensing vocabulary

other

Dispensing vocabulary, other

CNK, INN

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)].

Yes

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-10

SNOMED

Not coded (Free text)

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

ICD-10

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?

Yes

Diagnostic codes

Captured

Diagnosis / medical event vocabulary

ICD-10

SNOMED

Not coded (Free text)

Medicinal product information

Captured

Medicinal product information collected

Brand name

Strength

Dose

Dosage regime

Route of administration

Medicinal product vocabulary

Other

If 'other,' what vocabulary is used?

CNK, INN

Quality of life measurements

Not Captured

Lifestyle factors

Not Captured

Sociodemographic information

Captured

Sociodemographic information collected

Age

Sex

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)

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

The currently participating hospitals cover approximately 22% of all hospital beds in Belgium. Network is growing with the possibility of ad-hoc collaborations with other hospitals.

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)

population managed outside of hospital

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

Description of data collection

Searchable data environment installed in a large sample of Belgian hospitals allowing targeted searches in all the data sources available within the hospitals
Includes both structured and unstructured data (using NLP technology)

Event triggering registration

Event triggering registration of a person in the data source

Other

Event triggering registration of a person in the data source, other

First patient admission to hospital

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

Death

Other

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

Any other hospital exit event: ie. Hospital discharge and no further admission in the same hospital

Event triggering creation of a record in the data source

Any hospital event

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

All tables within the hospital (administrative vs.Other Data) are linked using unique Patient ID, no further linkage possible

Linked data sources

Pre linked

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

Yes

Data source, other

EMR systems (ad hoc linkage)

Linkage strategy

Deterministic

Linkage variable

patient_id

Pre linked

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

Yes

Data source, other

Hospital administrative tables (admission Data, pharmacy dispense Data & invoice Data)

Linkage strategy

Deterministic

Linkage variable

patient_id

Data management specifications that apply for the data source

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)?

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?

No

Common Data Model (CDM) mapping

CDM mapping

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

No