InGef Research Database

First published: 01/02/2024

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Data source | Human | Administrative healthcare records (e.g., claims)

Administrative details

Administrative details

Data source ID

1111207

Data source acronym

InGef RDB

Data holder

Institute for Applied Health Research Berlin (InGef)

Data source type

Administrative healthcare records (e.g., claims)

Main financial support

Funding by own institution

Care setting

Hospital inpatient care

Hospital outpatient care

Primary care – GP, community pharmacist level

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

Secondary care – specialist level (ambulatory)

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.ingef.de

Contact details

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Data source regions and languages

Data source countries

Germany

Data source languages

German

Data source establishment

Data source established

01/11/2015

Data source time span

First collection: 01/01/2015

The date when data started to be collected or extracted.

Publications

Data source publications

Characteristics and external validity of the German Health Risk Institute (HRI) Database

Effectiveness and safety of direct oral anticoagulants with antiplatelet agents in patients with venous thromboembolism: A multi-database cohort study

Sodium-Glucose Co-Transporter 2 Inhibitors and the Risk of Venous Thromboembolism in Patients with Type 2 Diabetes: A Cohort Study

Clinical outcomes and characteristics of patients hospitalized for Influenza or COVID-19 in Germany

Sampling strategy, characteristics and representativeness of the InGef research database

Studies

List of studies that have been conducted using the data source

Real World Outcomes of Patients Treated with Vericiguat in German Routine Care (ROVER)

DARWIN EU® - Suicidality incidence rates in adult male patients and in patients treated with finasteride and dutasteride

DARWIN EU® - Prevalence of hypertrophic cardiomyopathy (HCM) and obstructive hypertrophic cardiomyopathy (oHCM) in six European countries

DARWIN EU® – Monitoring prescription of medicines for public health emergencies at risk of shortages

DARWIN EU® - Use of antiretroviral therapies in paediatric patients

DARWIN EU® – Paracetamol prescribing and paracetamol overdose in Europe: a descriptive analysis of trends and patient characteristics

DARWIN EU® - Drug utilisation study of prescription opioids

DARWIN EU® - Uptake of meningococcal vaccines by the target population in Europe

DARWIN EU® – Trends in utilisation of Attention-Deficit Hyperactivity Disorder (ADHD) Medications

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

Yes

ICU admission

Is information on intensive care unit admission available?

Yes

Cause of death

Not Captured

Prescriptions of medicines

Captured

Prescriptions vocabulary

ATC

other

Prescriptions vocabulary, other

OPS (Operationen- und Prozedurenschlüssel) for some prescriptions administered at hospital

Dispensing of medicines

Captured

Dispensing vocabulary

ATC

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?

Yes

Indication for use

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

Not Captured

Medical devices

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

Yes

Administration of vaccines

Yes

Procedures

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

Captured

Procedures vocabulary

Other

Procedures vocabulary, other

EBM (Einheitlicher Bewertungsmaßstab - doctor's fee scale) for ambulatory procedures; OPS (Operationen- und Prozedurenschlüssel) for operations conducted at the hospital

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?

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

Other

Diagnosis / medical event vocabulary, other

ICD-10-GM

Medicinal product information

Captured

Medicinal product information collected

Active ingredient(s)

Brand name

Dose

Package size

Route of administration

Medicinal product vocabulary

ATC

Other

If 'other,' what vocabulary is used?

PZN (Pharmazentralzummer -pharmaceutical reference number)

Quality of life measurements

Not Captured

Lifestyle factors

Not Captured

Sociodemographic information

Captured

Sociodemographic information collected

Age

Deprivation index

Education level

Gender

Living in rural area

Socioeconomic status

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 (≥ 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

Approx. 10.5 Million insurees are included in the database, 7.8 Million of these actively insured in 2024. This corresponds to 7% of the total German population.

(26/28) Our database does not contain a direct distinction between preterm and

term newborns. Additionally, date of birth are only respresented on a quarterly level. We therefore counted all individuals under 2 years of age within the "infants and toddlers (28 days to 23 months)" section.

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)

Insurees of private health insurances as well as those insurees of other statutory health insurances which do not contribute to the InGef RDB

Population

Population size

10512276

Active population size

7813565

Population by age group

Age group	Population size	Active population size
Paediatric Population (< 18 years)	1746255	1315228
Infants and toddlers (28 days – 23 months)	202249	138875
Children (2 to < 12 years)	954220	720510
Adolescents (12 to < 18 years)	589786	455843

Age group	Population size	Active population size
Adults (18 to < 46 years)	4069901	2785463
Adults (46 to < 65 years)	2851481	2359040
Elderly (≥ 65 years)	1844639	1353834
Adults (65 to < 75 years)	905913	771428
Adults (75 to < 85 years)	594879	412891
Adults (85 years and over)	343847	169515

Median observation time

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

10.00

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

10.00

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

Data of the InGef RDB is stored via Teradata SQL Assistant

Event triggering registration

Event triggering registration of a person in the data source

Insurance coverage start

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

Death

Insurance coverage end

Event triggering creation of a record in the data source

Hospital admission, encounter of physicians (GPs, specialists), reimbursable receipts at the pharmacy,

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

Monthly

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?

No

Data source preservation length (years)

10 years

Approval for publication

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

Yes

Data source last refresh

30/04/2025

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

12,00 months

Data source ETL status

In progress