NO LONGER EXISTS - Odense Pharmacoepidemiological 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

48326

Data source acronym

OPED

Data holder

University of Southern Denmark (SDU)

Data source type

Administrative healthcare records (e.g., claims)

Main financial support

Funding by own institution

Care setting

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.

No

Contact details

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Main

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Data source regions and languages

Data source countries

Denmark

Data source languages

Danish

Data source regions

Syddanmark

Data source establishment

Data source established

15/06/1990

Data source time span

First collection: 01/08/1990

The date when data started to be collected or extracted.

Last collection: 01/08/2021

If data collection in the data source has ceased, the date new records last entered the data source.

Publications

Data source publications

Pottegård A, Henriksen DP, Madsen KG, Hellfritzsch M, Damkier P, Stage TB.Change in International Normalized Ratio Among Patients Treated WithDicloxacillin and Vitamin K Antagonists. JAMA. 2015 Jul 21,314(3):296-7.

Jensen HK, Brabrand M, Vinholt PJ, Hallas J, Lassen AT. Hypokalemia in acute medical patients: risk factors and prognosis. Am J Med. 2015 Jan,128(1):60-7.e1. doi: 10.1016/j.amjmed.2014.07.022. Epub 2014 Aug 12. PubMed PMID: 25107385

Dall M, Primdahl A, Damborg F, Nymark T, Hallas J. The association between use of serotonergic antidepressants and perioperative bleeding during total hip arthroplasty--a cohort study. Basic Clin Pharmacol Toxicol. 2014 Sep,115(3):277-81. doi: 10.1111/bcpt.12218. Epub 2014 Mar 14. PubMed PMID: 24548749

Hallas J, Hellfritzsch M, Rix M, Olesen M, Reilev M, Pottegård A. OdensePharmacoepidemiological Database: A Review of Use and Content. Basic ClinPharmacol Toxicol. 2017 May,120(5):419-425.

Rathe J, Andersen M, Jarbøl DE, dePont Christensen R, Hallas J, Søndergaard J. Generic Switching and Non-Persistence among Medicine Users: A Combined Population-Based Questionnaire and Register Study. PLoS One. 2015 Mar 16,10(3):e0119688. doi: 10.1371/journal.pone.0119688. eCollection 2015.

PubMed PMID: 25775472, PubMed Central PMCID: PMC4361595

Studies

List of studies that have been conducted using the data source

Evaluation of the Use of Nepafenac in Selected European Populations

Risk of Skin Cancer and Lymphoma in Users of Topical Tacrolimus, Pimecrolimus, and Corticosteroids: Protopic JOint European Longitudinal Lymphoma and skin cancer Evaluation (JOELLE) Study

Risk of Skin Cancer and Lymphoma in Users of Topical Tacrolimus, Pimecrolimus, and Corticosteroids (JOELLE)

DRUG UTILISATION AND SAFETY STUDY OF MYSIMBA/CONTRAVE IN EUROPE AND THE UNITED STATES (NB-451 DUS)

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

ICD-10

Prescriptions of medicines

Not Captured

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)].

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?

Not Captured

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

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.

Captured

Biomarker data vocabulary

Other

Biomarker vocabulary, other

NPU

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

Medicinal product information

Captured

Medicinal product information collected

Active ingredient(s)

Brand name

Formulation

Package size

Strength

Medicinal product vocabulary

ATC

Quality of life measurements

Not Captured

Lifestyle factors

Not Captured

Sociodemographic information

Not Captured

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

100%. Description of population age is not available for specific age groups requested. Age distribution of the region of Southern Denmark population is available upon request.

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)

Regional sub-set - Data capture is restricted to Funen county (pop 480.000) during 1990-2006 and Region of Southern Denmark (pop 1.2 million) since 2007.

Population

Population size

1.600.000

Active population size

1.200.000

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?

Yes

Description of data collection

Prescription data are recorded as part of co-payment processing. All regional residents, irrespective of age, are covered. Updated data are transferred from the Regional office on a monthly basis and transferred to our database after quality check.

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 prescription redeeemed if regional resident.

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

Emigration

Event triggering creation of a record in the data source

Redeeming a prescription at a community 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?

Yes

Linkage description, possible linkage

Nearly all health-related databases in Denmark share the same person-identifier as OPED (CPR number). Data can be linked after approval from the Data protection Board.

Linked data sources

Pre linked

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

No

Data source, other

Data source can link with virtually all national Danish data sources, including Danish Patient Registry and Cancer registry.

Linkage strategy

Deterministic

Linkage variable

CPR

Linkage completeness

100%

Data management specifications that apply for the data source

Data source refresh

Monthly

Informed consent for use of data for research

Other

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

Informed consent, other

There is a committee to evaluate requests for data access

Data source last refresh

15/08/2021

Common Data Model (CDM) mapping

CDM mapping

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

No