AZ Oostende (previously: AZ Damiaan)

First published: 01/02/2024

Last updated: 17/10/2024

Data source | Human | Cancer registry | Death registry | Hospital inpatient records | Other

Administrative details

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Data source ID

1111211

Data source acronym

AZ Oostende

Data holder

AZ Oostende

Data source type

Cancer registry

Death registry

Hospital inpatient records

Other

Data source type, other

Hospital discharge records, pharmacy dispensation records, LOINC data from laboratory

Main financial support

European public funding

Care setting

Hospital inpatient 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.azoostende.be/

Contact details

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Data source regions and languages

Data source countries

Belgium

Data source languages

Dutch

Data source regions

West-Vlaanderen

Data source establishment

Data source established

15/06/2017

Data source time span

First collection: 15/06/2017

The date when data started to be collected or extracted.

Publications

Data source publications

Creation of a reusable OMOP transformation workflow for Belgian electronic health record systems

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)?

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

Dispensing of medicines

Captured

Dispensing vocabulary

ATC

other

Dispensing vocabulary, other

GGR codes

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?

Captured

Indication vocabulary

ICD-10-CM

ICD-9-CM

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

ICD-10-CM

Other

Procedures vocabulary, other

RIZIV/INAMI Nomensoft:https://webappsa.riziv-inami.fgov.be/Nomen/nl/search

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

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.

No

Unique identifier for persons

Are patients uniquely identified in the data source?

Yes

Diagnostic codes

Captured

Diagnosis / medical event vocabulary

ICD-10-CM

ICD-9-CM

Other

Diagnosis / medical event vocabulary, other

Invoicing codes

Medicinal product information

Captured

Medicinal product information collected

Active ingredient(s)

Brand name

Dose

Formulation

Route of administration

Medicinal product vocabulary

ATC

Quality of life measurements

Not Captured

Lifestyle factors

Not Captured

Sociodemographic information

Captured

Sociodemographic information collected

Age

Gender

Health area

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

50-60%, part of the patients are day tourists, second residents, holiday tourists.

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)

40-50% going to other hospitals near by

Family linkage

Family linkage available in the data source permanently or can be created on an ad hoc basis

Ad hoc

Population

Population size

396539

Active population size

365393

Population by age group

Age group	Population size	Active population size
Paediatric Population (< 18 years)	41894	41828
Children (2 to < 12 years)	18678	18633
Adolescents (12 to < 18 years)	13410	13390
Adults (18 to < 46 years)	108672	108408
Adults (46 to < 65 years)	91631	90148
Elderly (≥ 65 years)	148823	119900
Adults (65 to < 75 years)	53724	41483
Adults (75 to < 85 years)	36489	32488
Adults (85 years and over)	59590	38200

Median observation time

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

3.50

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

3.00

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

Patient medical records, hospital tools: such as admission, transfer and discharge tools, laboratory datasets for lab analysis, invoice tools, registry's of cancer, death for the government, registry of diagnosis via government codes, etc.

Event triggering registration

Event triggering registration of a person in the data source

Birth

Practice registration

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

Practice deregistration

Event triggering creation of a record in the data source

Hospital admission or consultation

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

Linked data sources

Pre linked

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

No

Data source, other

Condition occurence, death, drug article, drug exposure, cancer registry, clinical lab, person, procedure occurence, provier, visit detal, visit occurence, ward

Pre linked

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

Yes

Data source, other

Patient keys, medical record keys, date table keys

Data management specifications that apply for the data source

Data source refresh

Every 6 months

Informed consent for use of data for research

Required for intervention studies

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

Data source last refresh

30/03/2023

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 status

Planned