

# 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

### Administrative details

#### 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

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### **Main financial support**

European public funding

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### **Care setting**

Hospital inpatient care

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### **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

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### **Data source website**

<https://www.azoostende.be/>

## Contact details

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Main

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## Data source regions and languages

### **Data source countries**

Belgium

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## Data source languages

Dutch

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## Data source regions

West-Vlaanderen

## Data source establishment

### Data source established

15/06/2017

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### 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

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### **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

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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?

Yes

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### **Cause of death**

Not Captured

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### **Prescriptions of medicines**

Captured

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### **Dispensing of medicines**

Captured

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## **Dispensing vocabulary**

ATC

other

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## **Dispensing vocabulary, other**

GGR codes

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## **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

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## **Contraception**

Is information on the use of any type of contraception (oral, injectable, devices etc.) available?

Yes

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## **Indication for use**

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

Captured

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## **Indication vocabulary**

ICD-10-CM

ICD-9-CM

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## **Medical devices**

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

Yes

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## Administration of vaccines

Yes

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## Procedures

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

Captured

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## Procedures vocabulary

ICD-10-CM

Other

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## Procedures vocabulary, other

RIZIV/INAMI Nomensoft:<https://webapps.riziv-inami.fgov.be/Nomen/nl/search>

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## 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

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## Clinical measurements

Is information on clinical measurements (e.g., BMI, blood pressure, height) available?

Yes

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## Genetic data

Are data related to genotyping, genome sequencing available?

Not Captured

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## 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

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### **Biomarker data vocabulary**

Other

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### **Biomarker vocabulary, other**

LOINC

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### **Patient-reported outcomes**

Is information on patient-reported outcomes (e.g., quality of life) available?

No

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### **Patient-generated data**

Is patient-generated information (e.g., from wearable devices) available?

No

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### **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

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### **Unique identifier for persons**

Are patients uniquely identified in the data source?

Yes

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### **Diagnostic codes**

Captured

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## **Diagnosis / medical event vocabulary**

ICD-10-CM

ICD-9-CM

Other

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## **Diagnosis / medical event vocabulary, other**

Invoicing codes

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## **Medicinal product information**

Captured

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## **Medicinal product information collected**

Active ingredient(s)

Brand name

Dose

Formulation

Route of administration

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## **Medicinal product vocabulary**

ATC

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## **Quality of life measurements**

Not Captured

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## **Lifestyle factors**

Not Captured

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## **Sociodemographic information**

Captured

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## **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 ( $\geq$  65 years)

Adults (65 to < 75 years)

Adults (75 to < 85 years)

Adults (85 years and over)

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#### **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.

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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)**

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

Age group	Populationsize	Active populationsize
Adults (18 to < 46 years)	108672	108408
Adults (46 to < 65 years)	91631	90148
Elderly ( $\geq$ 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

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### **Access to subject details**

Can individual patients/practitioners/practices included in the data source be contacted?

No

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### **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

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

Practice deregistration

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### **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

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### **Data source, other**

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

### **Pre linked**

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

Yes

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### **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

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## **Informed consent for use of data for research**

Required for intervention studies

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## **Possibility of data validation**

Can validity of the data in the data source be verified (e.g., access to original medical charts)?

Yes

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## **Data source preservation**

Are records preserved in the data source indefinitely?

Yes

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## **Approval for publication**

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

Yes

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## **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

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## CDM website

<https://www.ohdsi.org/Data-standardization/>

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## Data source ETL status

Planned