

# University Hospital Antwerp structured data

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Data source

Human

Cancer registry

Hospital discharge records

Hospital inpatient records

Hospital outpatient visit records

Other

## Administrative details

### Administrative details

#### Data source ID

1000000627

#### Data source acronym

UZA\_structured

#### Data holder

[Universitair Ziekenhuis Antwerpen \(UZA\)](#)

#### Data source type

Cancer registry

Hospital discharge records

Hospital inpatient records

Hospital outpatient visit records

Other

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### **Data source type, other**

Death data are complete, both inside and outside the hospital

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### **Main financial support**

Funding by own institution

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### **Care setting**

Hospital inpatient care

Hospital outpatient 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**

[University Hospital Antwerp](#)

## Contact details

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# Data source regions and languages

## Data source countries

Belgium

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## Data source languages

Dutch

English

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## Data source regions

Antwerpen

# Data source establishment

## Data source established

01/01/1998

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## Data source time span

**First collection:** 01/01/1998

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.

No

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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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### **Prescriptions vocabulary**

ATC

not coded

other

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## **Prescriptions vocabulary, other**

cnk, multum normalized to RxNorm

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## **Dispensing of medicines**

Captured

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## **Dispensing vocabulary**

ATC

other

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## **Dispensing vocabulary, other**

cnk, multum normalized to RxNorm

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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

Not coded (Free text)

Other

SNOMED CT

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### **Indication vocabulary, other**

ICD-O-3

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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

ICD-9

Not coded (Free text)

Other

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### **Procedures vocabulary, other**

Nomenclatuur van de geneeskundige verstrekkingen

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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?

Captured

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### **Genetic data vocabulary**

Other

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### **Genetic data vocabulary, other**

raw (vcf) sequencing files

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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**

Freet text

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### **Patient-reported outcomes**

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

Yes

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### **Patient-generated data**

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

Yes

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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.

Yes

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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

Orphacode

Other

SNOMED CT

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

OCD-O-3

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### **Medicinal product information**



Captured

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**Medicinal product information collected**

Active ingredient(s)

Brand name

Dose

Route of administration

Strength

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**Medicinal product vocabulary**

ATC

Not coded (Free text)

Other

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**If 'other,' what vocabulary is used?**

cnk, multum normalized to RxNorm

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**Quality of life measurements**

Captured

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**Quality of life measurements vocabulary**

EQ5D

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**Lifestyle factors**

Captured

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**Lifestyle factors**

Alcohol use

Other

Tobacco use

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## **Lifestyle factors included other**

Drug use

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## **Sociodemographic information**

Captured

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## **Sociodemographic information collected**

Age

Education level

Gender

Marital status

Sex

## Quantitative descriptors

## Population Qualitative Data

### **Population age groups**

All

In utero

Paediatric Population (< 18 years)

Neonate

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)

Adult and elderly population ( $\geq 18$  years)

Adults (18 to  $< 65$  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**

- Belgium has free choice of hospital, which implies that some patients visit UZA from beyond its geographic catchment area.
  - Several hospitals located in the catchment area of broad Antwerp. Many patients visit several hospitals (for different diseases, or changing during the treatment of a chronic disease)
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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)**

None.

## Family linkage

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

Permanently

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**Family linkage available between the following persons**

Mother-child

## Population

## Population size

2051700

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## Active population size

1765000

## Population by age group

Age group	Population size	Active population size
Paediatric Population (< 18 years)	208200	205000
Adults (18 to < 46 years)	609000	600000
Adults (46 to < 65 years)	520500	478500
Adults (65 to < 75 years)	278800	219500
Adults (75 to < 85 years)	247200	156500
Adults (85 years and over)	188000	105500

## Median observation time

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

0.04

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

## Data flows and management

### Access and validation

#### **Governance details**

Documents or webpages that describe the overall governance of the data source and processes and procedures for data capture and management, data quality check and validation results (governing data access or utilisation for research purposes).

<https://application.ecuzaua.be/Account/Login?returnUrl=/ActivityForm/Index>

<https://www.uza.be/en/research-innovation-and-valorisation>

#### **Biospecimen access**

Are biospecimens available in the data source (e.g., tissue samples)?

Yes

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#### **Biospecimen access conditions**

<https://www.uza.be/nl/onderzoek/biobank-antwerpen>

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#### **Access to subject details**

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

Yes

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#### **Description of data collection**

Routinely-collected structured data in a tertiary hospital.

### Event triggering registration

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

Other

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

Care consumption

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

Death

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## **Event triggering creation of a record in the data source**

Any generation of structured data (visit, lab test, prescription, ...)

# 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

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## **Linkage description, possible linkage**

Biobank

Pathology (results & digital images. All slides and blood smears are digitized)

Radiology images (conventional and nuclear)

ECG

Monitor devices

Rare disease register

ICU diagnoses

Microbial surveillance register

Study registers

# Data management specifications that apply for the data source

### **Data source refresh**

Monthly

Quarterly

Every 6 months

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

Waiver

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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**

06/03/2025

## **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

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**CDM website**

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

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**Data source ETL CDM version**

5.4

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**Data source ETL frequency**

1,00 month

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**Data source ETL status**

In progress