

# Management of Urinary Tract Infections in Catalonia: adequacy of diagnostic and therapeutic management, predictors of complications and impact of suppressive therapies on the severity of potentially serious infections (PROJECT ITUCAT)

**First published:** 10/11/2022

**Last updated:** 17/09/2025

Study

Planned

## Administrative details

### EU PAS number

EUPAS49724

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### Study ID

49725

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### DARWIN EU® study

No

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### Study countries

## Study status

Planned

## Research institutions and networks

### Institutions

Fundació Institut Universitari per a la Recerca a l'Atenció Primària de Salut Jordi Gol i Gurina, IDIAPJGol

 Spain

**First published:** 05/10/2012

**Last updated:** 23/05/2025

**Institution**

**Educational Institution**

**Laboratory/Research/Testing facility**

**Not-for-profit**

**ENCePP partner**

## Contact details

### Study institution contact

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**Study contact**

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### Primary lead investigator

Ana Moragas 0000-0002-1307-0943

Primary lead investigator

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## Study timelines

**Date when funding contract was signed**

Planned: 11/04/2022

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**Study start date**

Planned: 01/12/2022

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**Date of final study report**

Planned: 01/03/2024

## Sources of funding

- Other

## More details on funding

PERIS 2022-2024 grant (grants for the financing of research projects in the field of primary health care, of the Strategic Plan for Research and Innovation in Health), with the file code SLT021/21/000022.

## Study protocol

[Publicació\\_protocol.pdf](#) (121.86 KB)

## Regulatory

**Was the study required by a regulatory body?**

No

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**Is the study required by a Risk Management Plan (RMP)?**

Not applicable

Methodological aspects

Study type

Study type list

**Study topic:**

Disease /health condition

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**Study topic, other:**

Urinary tract infections

**Study type:**

Non-interventional study

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**Scope of the study:**

Disease epidemiology

Drug utilisation

**Main study objective:**

- To know the epidemiology of the different types of UTI in Catalonia and their diagnostic and therapeutic management. - To evaluate the correlation between the total consumption and type of antibiotics for recurrent UTI with the

presence and severity of infectious complications of urological origin (pyelonephritis and sepsis), and two potentially serious infections (pneumonia and COVID-19)

## Study Design

### **Non-interventional study design**

Cohort

## Study drug and medical condition

### **Medical condition to be studied**

Urinary tract infection

## Population studied

### **Age groups**

- Adults (18 to < 46 years)
- Adults (46 to < 65 years)
- Adults (65 to < 75 years)
- Adults (75 to < 85 years)
- Adults (85 years and over)

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### **Special population of interest**

Hepatic impaired

Immunocompromised

Pregnant women

Renal impaired

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### **Estimated number of subjects**

1500000

## Study design details

### **Data analysis plan**

Descriptive statistics will be carried out on the results obtained. Quantitative variables will be described as mean and standard deviation, while categorical variables will be described as the proportion of exposed and unexposed individuals. Univariate tests will be obtained from Student's t-test and the chi-square test as appropriate. For the primary outcome, marginal structural models will be fitted to estimate causal effects by correcting for confounding. Inverse probability weights will be estimated as a function of propensity score using age and socioeconomic deprivation score. The inverse probability weights will be used in the marginal structural model to estimate the odds ratio and confidence intervals purchasing the prevalence of each outcome among individuals exposed to antibiotics versus those not exposed to antimicrobials.

## Documents

### **Study results**

[antibiotics-12-01611.pdf](#) (291.73 KB)

[BMJOpen2025.pdf](#) (1.02 MB)

[fphar-1-1593910 \(1\).pdf](#) (1.28 MB)

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## Data management

## ENCePP Seal

The use of the ENCePP Seal has been discontinued since February 2025. The ENCePP Seal fields are retained in the display mode for transparency but are no longer maintained.

## Data sources

### Data source(s)

The Information System for Research in Primary Care (SIDIAP)

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### Data sources (types)

[Disease registry](#)

[Electronic healthcare records \(EHR\)](#)

## Use of a Common Data Model (CDM)

### CDM mapping

No

## Data quality specifications

### Check conformance

Unknown

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### Check completeness

Unknown

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### Check stability

Unknown

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**Check logical consistency**

Unknown

## Data characterisation

**Data characterisation conducted**

No