

# Impact of medicines regulatory interventions in Europe: a systematic review focusing on unintended consequences, data used and methodology

**First published:** 22/06/2022

**Last updated:** 02/04/2024

Study

Ongoing

## Administrative details

### PURI

<https://redirect.ema.europa.eu/resource/47826>

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### EU PAS number

EUPAS47825

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### Study ID

47826

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### DARWIN EU® study

No

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### Study countries

Austria  
Belgium  
Bulgaria  
Croatia  
Cyprus  
Czechia  
Denmark  
Estonia  
Finland  
France

Germany  
Greece  
Hungary  
Iceland  
Ireland  
Italy  
Latvia  
Liechtenstein  
Lithuania  
Luxembourg  
Malta  
Netherlands  
Norway  
Poland  
Portugal  
Romania  
Slovakia  
Slovenia  
Spain  
Sweden  
United Kingdom

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### Study description

The goal is to perform a comprehensive assessment of studies that evaluate the impact of pharmacovigilance regulatory interventions in the European Economic Area (EEA), focusing on identifying unintended consequences and highlighting the methodology and data used.

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### Study status

Ongoing

## Research institution and networks

### Institutions

Division of Pharmacoepidemiology & Clinical  
Pharmacology (PECP), Utrecht Institute for  
Pharmaceutical Sciences (UIPS), Utrecht University

Netherlands

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23/05/2024

Institution

## Contact details

### Study institution contact

Helga Gardarsdottir

Study contact

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### Primary lead investigator

Helga Gardarsdottir

Primary lead investigator

## Study timelines

### Date when funding contract was signed

Planned:

01/09/2021

Actual:

01/09/2021

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### Study start date

Planned:

01/01/2022

Actual:

13/12/2021

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### Date of final study report

Planned:

31/01/2023

## Sources of funding

- Other

## More details on funding

Utrecht University

## 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 type:**

Non-interventional study

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**Main study objective:**

The goal is to perform a comprehensive assessment of studies that evaluate the impact of pharmacovigilance regulatory interventions in the European Economic Area (EEA), focusing on identifying unintended consequences and highlighting the methodology and data used.

### Study Design

**Non-interventional study design**

Systematic review and meta-analysis

### Population studied

**Age groups**

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)

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**

0

## Study design details

### **Data analysis plan**

We will perform descriptive analysis (totals and percentages) for data extracted from identified articles.

## Data management

### Data sources

#### **Data sources (types)**

[Other](#)

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#### **Data sources (types), other**

We will conduct bibliographic database searches in MEDLINE and EMBASE.

## 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