

# Asthma management in France and the United Kingdom

**First published:** 27/10/2015

**Last updated:** 01/04/2024

Study

Finalised

## Administrative details

### EU PAS number

EUPAS11410

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### Study ID

26340

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### DARWIN EU® study

No

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### Study countries

☐ France

☐ United Kingdom

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### Study description

This study will compare asthma management between patients in the United Kingdom and in France, in particular with regards to "at-risk" treatment patterns.

Two successive cohorts of persistent patients will be defined in 2007/2008 and in 2013/2014. Comparisons of asthma management between 2007 and 2013 will be made within countries to determine if there are any changes in "at-risk" management. Between countries, comparisons will be made to determine if there are differences in managements. For the latter analysis, only the 2013/2014 cohort will be used.

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## Study status

Finalised

## Research institutions and networks

### Institutions

#### Observational & Pragmatic Research Institute Pte (OPRI)

☐ United Kingdom

**First published:** 06/10/2015

**Last updated:** 19/08/2024

**Institution**

**Educational Institution**

**Laboratory/Research/Testing facility**

**ENCePP partner**

#### Observational & Pragmatic Research Institute Pte (OPRI)

☐ United Kingdom

**First published:** 06/10/2015

**Last updated:** 19/08/2024

**Institution**

**Educational Institution**

**Laboratory/Research/Testing facility**

**ENCEPP partner**

## Networks

### Respiratory Effectiveness Group (REG)

- ☐ Belgium
- ☐ Denmark
- ☐ France
- ☐ Germany
- ☐ Greece
- ☐ Hungary
- ☐ Italy
- ☐ Netherlands
- ☐ Spain
- ☐ Sweden
- ☐ United Kingdom

**First published:** 07/07/2021

**Last updated:** 04/06/2024

**Network**

**ENCEPP partner**

## Contact details

**Study institution contact**

David Van Ganse [sanne@effectivenessevaluation.org](mailto:sanne@effectivenessevaluation.org)

Study contact

[sanne@effectivenessevaluation.org](mailto:sanne@effectivenessevaluation.org)

**Primary lead investigator**

David Van Ganse

Primary lead investigator

## Study timelines

**Date when funding contract was signed**

Planned: 30/10/2015

Actual: 01/10/2015

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**Study start date**

Planned: 30/10/2015

Actual: 07/10/2015

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**Data analysis start date**

Planned: 02/11/2015

Actual: 02/11/2015

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**Date of final study report**

Planned: 29/01/2016

Actual: 13/10/2016

## Sources of funding

- Other

## More details on funding

Claude-Bernard-Lyon1 University

## Study protocol

[Asthma management between France and the United Kingdom\\_V7 \(1\).pdf](#)

(621.28 KB)

## Regulatory

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

Unknown

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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 type:**

Non-interventional study

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**Scope of the study:**

Assessment of risk minimisation measure implementation or effectiveness

Other

**If 'other', further details on the scope of the study**

Asthma management comparison

**Data collection methods:**

Secondary use of data

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**Main study objective:**

To compare asthma management between patients in the United Kingdom and in France, in particular with regards to at-risk treatment patterns.

## Study Design

**Non-interventional study design**

Other

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**Non-interventional study design, other**

Historical observational, cohort study

## Study drug and medical condition

**Medical condition to be studied**

Asthma

## Population studied

## **Short description of the study population**

French patients: aged 6 to 40 years with at least 3 dispensations of respiratory drug (R03 ATC code except R03DX05, R03AC18, R03BB04, R03BB01, R03AK03 and R03AK04) in 2007/2013 at 3 different dates will qualify to enter the cohort. The date of entry in the cohort will be the date of the 3rd dispensation (entry date).

UK patients: aged 6 to 40 years with a diagnosis of asthma recorded in the database in 2007/2013. Patients older than 40 will be described as well in a complementary analysis, but they will not be compared to French patients.

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## **Age groups**

Adolescents (12 to < 18 years)

Adults (18 to < 46 years)

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## **Special population of interest**

Other

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## **Special population of interest, other**

Asthma patients

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## **Estimated number of subjects**

35000

# Study design details

## **Outcomes**

Describe asthma managements with regards to the following:1. LABA with no ICS prescription (Monotherapy)2. Ratio units dispensed of LABA/ICS  $\geq 2$  (unit= canisters or prescriptions in the UK)3. High use of SABAs ( $\geq 12$  canisters

dispensed/prescribed)

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### **Data analysis plan**

Asthma managements will be described with regards to the following: 1. LABA with no ICS prescription (Monotherapy) 2. Ratio units dispensed of LABA/ICS  $\geq 2$  (unit = canisters or prescriptions in the UK) 3. High use of SABAs ( $\geq 12$  canisters dispensed/prescribed) Comparisons will be made: 1. Within country: This will compare asthma management in 2007/2008 vs 2013/2014 2. Between countries: Differences in management between countries Treatment groups will be compared using t-test / Mann Whitney U-test (depending on distribution) for variables measured on the interval/ratio scale and using a chi square test for categorical variables.

## Documents

### **Study publications**

[Belhassen M, Nibber A, Van Ganse E, Ryan D, Langlois C, Appiagyei F, Skinner D,...](#)

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## Data management

## Data sources

### **Data source(s)**

Optimum Patient Care Research Database

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**Data source(s), other**

EGB database (1/97th random sample of the national French claims data)

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**Data sources (types)**

[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**

Unknown