Burden of cough in primary care

First published: 24/07/2019

Last updated: 08/08/2024

Study Ongoing

Administrative details

EU PAS number

EUPAS30625

Study ID

30626

DARWIN EU® study

No

Study countries

☐ Hungary

Study description

A descriptive observational study of electronic medical records which aims to determine the epidemiological pattern and characteristics of cough in UK primary care, and prescribed treatments.

Study status

Ongoing

Research institutions and networks

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

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Study contact

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Primary lead investigator

Lorcan McGarvey

Primary lead investigator

Study timelines

Date when funding contract was signed

Planned: 07/01/2019

Actual: 07/01/2019

Study start date

Planned: 04/02/2019

Actual: 19/06/2019

Data analysis start date

Planned: 04/03/2019

Actual: 24/06/2019

Date of final study report

Planned: 05/08/2019

Sources of funding

- Pharmaceutical company and other private sector

More details on funding

Respiratory Effectiveness Group

Study protocol

Burden of cough in UK primary care protocol_Simple.pdf(763.58 KB)

Regulatory

Was the study required by a regulatory body?

No

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

Not applicable

Methodological aspects

Study type

Study type list

Study type:

Non-interventional study

Scope of the study:

Disease epidemiology

Main study objective:

This study aims to determine the epidemiological pattern and characteristics of cough in UK primary care, and prescribed treatments. Specifically:1) Prevalence and incidence of cough in UK primary care2) Demographic and clinical characteristics associated with cough in UK primary care3) Prescribed treatments for cough in UK primary care

Study Design

Non-interventional study design

Cross-sectional

Study drug and medical condition

Medical condition to be studied

Cough

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)

Estimated number of subjects

200000

Study design details

Outcomes

Burden of cough: Incidence, number of cough consultations and time to second cough consultation.Baseline characteristics across cough types and frequenciesCategorisation of cough types Seasonality of cough, Cause of coughHealthcare utilisation

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Data analysis plan

The number of patients/observations and percentage per category, mean plus standard deviation and median plus inter-quantile range will be given, as appropriate.Statistical testing will be used to explore the characteristics of those patients with different categories of cough, focusing on comparing those with idiopathic cough versus those were a cause of cough is determined. Statistical tests (e.g. F-tests, t-tests, chi-squared tests) and models (e.g. linear models) will be used, as appropriate.Statistically significant results will be defined as $p<0.05$.The analyses will be carried out using R (www.r-project.org).

Data management

Data sources

Data source(s)

Optimum Patient Care Research Database

Data source(s), other

Optimum Patient Care Research Database (OPCRD)

Data sources (types)

Electronic healthcare records (EHR)

Use of a Common Data Model (CDM)

CDM mapping

No

Data quality specifications

Check conformance

Unknown

Check completeness

Unknown

Check stability

Unknown

Check logical consistency

Unknown

Data characterisation

Data characterisation conducted

No