Study of healthcare consumption of patients over 45 years with Chronic Obstructive Pulmonary Disease

First published: 02/12/2013

Last updated: 30/03/2024

Study Finalised

Administrative details

EU PAS number

EUPAS5306

Study ID

19572

DARWIN EU® study

No

Study countries

France

Study description

The Chronic Obstructive Pulmonary Disease (COPD) is defined as a chronic, slowly progressive disease, characterized by incompletely reversible reduction in airflow. It is very closely related to tobacco, responsible for the initiation and the perpetuation of the inflammatory mechanisms that cause bronchial and lung injuries. The symptoms (cough, sputum and dyspnea) induce an early limitation of physical activity, from daily life and work to sports and sleep.This disabling disease costs for society, in part due to the high frequency of comorbidities, including cardiovascular disease, diabetes, cancer, anxiety and psychiatric disorders.In clinical practice, COPD is under-diagnosed and under-treated with an under-use of spirometry to confirm the diagnosis.Based on the French national health insurance database (EGB) which contains healthcare reimbursement data of 1/97 of the French population, the objectives of this study is to define the support in 2006 and in 2011 of patients aged over 45 years with COPD (characteristics of patients, consumption, individual costs, factors associated with high costs and with repeated hospitalizations related to the disease). A longitudinal analysis studies also the support over the period of six years. Finally the healthcare consumption and cost is studied according to comorbidities (cardiovascular, psychiatric, diabetes).

Study status

Finalised

Research institutions and networks

Institutions

Université Claude Bernard Lyon 1

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Institution

Contact details

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Primary lead investigator

Eric VAN GANSE

Primary lead investigator

Study timelines

Date when funding contract was signed

Actual: 15/11/2011

Study start date

Actual: 15/11/2011

Date of final study report

Actual: 02/08/2013

Sources of funding

- Pharmaceutical company and other private sector

More details on funding

GSK

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 topic:

Disease /health condition

Other

Study topic, other:

Healthcare consumption and cost

Study type:

Non-interventional study

Scope of the study:

Disease epidemiology

Healthcare resource utilisation

Data collection methods:

Secondary use of data

Main study objective:

to define the support in 2006 and in 2011 of patients aged over 45 years with COPD (characteristics of patients, consumption, individual costs, factors associated with high costs and with repeated hospitalizations related to the disease).

Study Design

Non-interventional study design

Cohort

Other

Non-interventional study design, other

Healthcare cost

Study drug and medical condition

Medical condition to be studied

Chronic obstructive pulmonary disease

Population studied

Short description of the study population

Patients aged over 45 years with chronic obstructive pulmonary disease (COPD) identified from French national health insurance database (EGB).

Age groups

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

Special population of interest

Other

Special population of interest, other

Chronic obstructive pulmonary disease (COPD) patients

Estimated number of subjects

5.000

Study design details

Outcomes

support in 2006 and in 2011 of patients aged over 45 years with COPD, longitudinal analysis of the support over the period of six years. healthcare consumption and cost according to comorbidities (cardiovascular, psychiatric, diabetes).

Data analysis plan

Longitudinal analyzes where a single patient population is followed from 2006 to 2011.Transversal analyzes of two cohorts recruited on the same criteria in 2005 and 2010, about their health care consumption over the next 12 months

Documents

Study publications

Laforest L, Roche N, Devouassoux G, Belhassen M, Chouaid C, Ginoux M, Van Ganse…

Data management

Data sources

Data source(s), other

EGB France

Data sources (types)

Administrative healthcare records (e.g., claims)

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

Unknown