

Disease management of COPD and information technology to improve patient self management (DIS)

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Ethical review	Approved WMO
Status	Recruitment stopped
Health condition type	Bronchial disorders (excl neoplasms)
Study type	Interventional

Summary

ID

NL-OMON33358

Source

ToetsingOnline

Brief title

ICT and disease management

Condition

- Bronchial disorders (excl neoplasms)

Synonym

COPD, Lungdisease

Research involving

Human

Sponsors and support

Primary sponsor: Universiteit Maastricht

Source(s) of monetary or material Support: ZonMw

Intervention

Keyword: disease management, electronic patient record, lifestyle intervention, patient self management

Outcome measures

Primary outcome

The main outcome measures are (1) the observed levels of self management and use of information technology; (2) the perceived benefits for care, self-management, and organization; (3) the estimated costs and benefits of a full implementation.

Secondary outcome

The optimal frequency of reminders for continuing the system use.

Study description

Background summary

In the Maastricht region a Diagnosis-Treatment Combination (DBC) reimbursement system for COPD is implemented in 2008. This DBC is based on our validated disease-management approach. In this proposal we will enrich this program by an intervention in which we provide the COPD-patient with computer-tailored feedback between consultations.

Study objective

The goal of this project is to improve the self management and lifestyle of COPD patients with the help of information technology as part of a disease-management approach. We will integrate an existing evidence-based method in the disease-management approach, to realize this goal. This method is a computer-tailored feedback approach for patient self management that has been validated for smoking, nutrition and physical activity.

Study design

The study has a pre-post design with process measurement during the intervention. Within this study we conduct a small experiment to compare

different frequencies to remind the patient to revisit the self help manager. For this experiment we use a balanced-block design with three blocks of four patient per general practitioner.

Intervention

The self help manager is a computer program that provides the patient of feedback. The patient will fill in a questionnaire and the responses of each question will yield a specific advice.

Study burden and risks

The time participants have to invest in filling out questionnaires, interviews and using the self help manager could be a burden. The risk of getting incorrect advice or incorrect interpretation of the advice is small.

Contacts

Public

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adults (18-64 years)
Elderly (65 years and older)

Inclusion criteria

COPD patients, who are treated by a general practitioner, according to the DBC system for COPD.

Exclusion criteria

COPD patients, who are treated by the medical specialist; who receive care by public health nurses; patients who have an insufficient command of the Dutch language.

Study design

Design

Study type: Interventional

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Treatment

Recruitment

NL

Recruitment status: Recruitment stopped

Start date (anticipated): 01-03-2010

Enrollment: 48

Type: Actual

Ethics review

Approved WMO

Date: 24-11-2009

Application type: First submission

Review commission: METC academisch ziekenhuis Maastricht/Universiteit Maastricht, METC azM/UM (Maastricht)

Approved WMO
Date: 11-01-2010
Application type: Amendment
Review commission: METC academisch ziekenhuis Maastricht/Universiteit Maastricht, METC azM/UM (Maastricht)

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
CCMO	NL26712.068.09