

Evaluation of Computer Based Learning for School Children with Asthma

Submission date 23/01/2004	Recruitment status No longer recruiting	☐ Prospectively registered ☐ Protocol
Registration date 23/01/2004	Overall study status Completed	☐ Statistical analysis plan ☐ Results
Last Edited 23/10/2019	Condition category Respiratory	☐ Individual participant data ☐ Record updated in last year

Plain English summary of protocol

Background and study aims

A previous study of school-aged children with asthma carried out in routine practice settings suggested that computer-assisted learning (CAL) may improve childrens knowledge of their condition and its management. The aim of this study was to find out about the benefits of computer-based instruction about asthma for school-aged children, and to see whether unplanned asthma-related care was reduced during the following 3 years. If computer-generated instruction is shown to be beneficial it represents a potentially cost effective method which could be used in schools and healthcare settings.

Who can participate?

Children with asthma confirmed with medical records.

What does the study involve?

Children were randomly allocated to either the CAL group or the control group. Children in the control group received standard care. Children in the CAL group, using the computer program, were given additional instruction to that normally given on various aspects of their asthma. Following prior consent from the GPs of individual patients, a postal questionnaire was sent to patients to ascertain any type of unplanned asthma care, such as attendance at A&E, hospital admission or emergency calls to the GP.

What are the possible benefits and risks of participating?

Children in the CAL group may become more competent and confident in managing their own asthma.

Where is the study run from?

Nuffield Institute for Health, University of Leeds (UK).

When is the study starting and how long is it expected to run for?

The study ran from January 1993 to September 1995.

Who is funding the study?

NHS Executive Northern and Yorkshire (UK).

Who is the main contact?
Catherine Gleeson
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Contact information

Type(s)
Scientific

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Additional identifiers

Protocol serial number
ASTEDUC

Study information

Scientific Title
Evaluation of Computer Based Learning for School Children with Asthma

Study objectives
The principal aim of this project is to objectively evaluate the benefits of computer-based instruction about asthma for school aged children. If computer generated instruction is shown to be beneficial it represents a potentially cost effective method which could be used in schools and health care settings, which would empower children to become more competent and confident in managing their own asthma.

Ethics approval required
Old ethics approval format

Ethics approval(s)
Not provided at time of registration

Primary study design
Interventional

Study design
Randomised controlled trial

Study type(s)

Not Specified

Health condition(s) or problem(s) studied

Respiratory tract diseases: Asthma

Interventions

1. Children given instruction additional to that normally given, using the computer program on various aspects of their asthma
2. Standard care

Intervention Type

Other

Phase

Not Specified

Primary outcome(s)

Medium and long term retention of knowledge and techniques

Key secondary outcome(s)

Not provided at time of registration

Completion date

30/09/1995

Eligibility**Key inclusion criteria**

Children with asthma - confirmed with medical records

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Child

Sex

Not Specified

Key exclusion criteria

Not provided at time of registration

Date of first enrolment

10/01/1993

Date of final enrolment

30/09/1995

Locations

Countries of recruitment

United Kingdom

England

Study participating centre

2 The Dell

Huddersfield

United Kingdom

HD2 2FD

Sponsor information

Organisation

NHS R&D Regional Programme Register - Department of Health (UK)

Funder(s)

Funder type

Government

Funder Name

NHS Executive Northern and Yorkshire (UK)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration