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Development of a coproduced, multifaceted intervention to optimise asthma management, tailored to the needs of children of South Asian origin

Submission date
10/05/2012

Recruitment status
No longer recruiting

Registration date
23/11/2012

Overall study status
Completed

Last Edited
06/07/2018

Condition category
Respiratory

[_] Prospectively registered
[_] Protocol
[_] Statistical analysis plan
[X] Results
[_] Individual participant data

Plain English summary of protocol

Background and study aims
Asthma is one of the commonest long-term condition affecting children in the UK. South Asian children are more likely to suffer with symptoms and be admitted to hospital, but are less likely to understand their medication or be involved in managing their condition. Although there are many efforts made to improve the wellbeing of children with asthma, these are generally less successful for south Asian children than for white children. Services that have been developed jointly with children and families have been shown to work better by delivering solutions tailored to the needs of the children and their families that are also practical from profesionals perspectives.
This study aims to use a collaborative method of designing healthcare interventions to develop an intervention programme for south Asian children with asthma.

Who can participate?
Different people are welcome to participate at different stages of the project initially, with everyone coming together in the final stages. People who fit the following criteria will be eligible to participate:
Children aged 4-12 years old who have asthma, from either South Asian or White British backgrounds, parents and extended family members of children with asthma, South Asian adults aged 18yrs upwards, with or without asthma, healthcare professionals who have a role in managing asthma in children or in running childrens services are also eligible.

What does the study involve?
This study has several sections spread over 2 years, including:
Focus groups:
There are usually about 6 to 10 people in a group and they take around 1 hour. The groups will discuss asthma and will be held in community centres or health centres around Leicester. They will be run in several different languages at different times of day.
Interviews:

At an interview you will asked to talk about your experiences of having asthma, having a child with asthma, or working with children with asthma. The interviews usually take around 1 1/2 hours, at a time and day to suit you. Interpreters will be available. Usually, we will interview one parent and then one child, and sometimes a grandparent or the other parent. This will usually happen on the same day at the same place, one after the other. We can also do a joint family interview if people feel more comfortable.
Workshops:
At the first workshop, we will go through the results so far and work in small groups to develop ideas and suggestions to help children with asthma. At the second workshop, well perfect the ideas and turn them into to workable plans to be used in Leicester. Each workshop will take approximately 2 hours in total and parts of it will be recorded. Theyll be in health centres or community centres or at the Universities. Well arrange the days and times to be convenient to everyone, will provide refreshments and will have translators available.
Results meetings
These short meetings will be held towards the end of the project to let everyone know the results of the study. There will be options for you to get involved in presenting the results, but you can also just come and listen if you prefer.
Evaluation Interviews (Talking to us about your experience of taking part)
At the end of the study, we might ask you to tell us about your experience in taking part in this study. This will be a very short (10 minute) interview, usually over the phone.

What are the possible benefits and risks of participating?
We hope that the information we get from this study will help improve the lives of children with asthma.
Taking part will take up your time.

Where is the study run from?
The University of Leicester is running the study, supported by De Montfort University, Leicester Partnership Trust and University Hospitals Leicester NHS Trust.

When is study starting and how long is it expected to run for?
The study starts in September 2010 and will run for about 18 months, finishing in February 2013.

Who is funding the study?
The money for the study has come from the National Institute of Health Research - Health Services Research Programme.

Who is the main contact?
Dr Deborah Bird
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Contact information

Type(s)
Scientific

Contact name
Dr Deborah Bird

Contact details

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Additional identifiers

Protocol serial number
8591

Study information

Scientific Title
MIA - Management and Interventions for Asthma: Development of a coproduced, multifaceted intervention to optimise asthma management, tailored to the needs of children of South Asian origin

Acronym
MIA

Study objectives
The research design consists of three linked phases of data collection and analysis, a fourth phase of collaborative workshops to design the intervention, integral to which is assessment of feasibility and acceptability, followed by a final phase of evaluation of the study methodology.

Phase 1 Evidence synthesis
The purpose of the Evidence Synthesis is to inform subsequent phases of the study by systematically and critically reviewing existing literature on existing interventions for asthma management in south Asian children and families and the barriers and facilitators to asthma management in south Asian children.

Phase 2 Community Study
We will use focus groups and semi-structured interviews to assess lay perceptions of asthma and the impact of cultural, religious and wider social-environmental influences on childrens health and asthma in particular. This will provide an understanding of the ways in which families of children with asthma are perceived and treated by the extended family and wider community.

Phase 3 Families and Healthcare professionals study
We will use semi-structured interviews to assess the perceptions of the children and their families and the professionals involved in their care. This will allow an understanding of the experience of being a child with asthma or having a child with asthma, particularly the barriers that are faced, as well as the professional context in which asthma management occurs and health professionals perceptions of the barriers to optimal asthma management.

Phase 4 Collaborative Intervention Development
This phase will bring together the information from phases 1-3 and enable collaboration between families, community members and healthcare professionals to develop, refine and disseminate interventions.

Phase 5 - Evaluation of Collaboratory Methodology
We will assess this methodology against the achievement of the study objectives and using interviews with study participants.

More details can be found at http://public.ukcrn.org.uk/search/StudyDetail.aspx?StudyID=8591

Ethics approval required
Old ethics approval format

Ethics approval(s)
Derbyshire Regional Ethics Committee,10/12/2009, ref: 09/H0401/85

Primary study design
Observational

Study design
Community-based participatory research utilising qualitative data collection methods

Study type(s)
Screening

Health condition(s) or problem(s) studied
Asthma

Interventions
Families Interviews, Up to 70 Semi-structured interviews (from 30 families) involving up to 30 South Asian children with asthma, 30 Primary carers and 10 grandparent/secondary carers.

Focus Groups, Up to eight focus groups with 6-10 adults from the four main South Asian communities, divided by gender where appropriate and conducted in South Asian languages and English.

Health Professional Interviews, Up to 10 Semi-structured interviews with healthcare professionals with a role in the provision of asthma services for South Asian children.

Key Informant Interviews, Up to 10 semi-structured interviews with key informants from the four main south Asian communities.

Workshops, Series of stakeholder workshops to design and refine a multifaceted intervention programme for asthma management in South Asian children.

Intervention Type
Other

Phase
Not Applicable

Primary outcome(s)
To test a participatory model of healthcare intervention development

Key secondary outcome(s)
1. To produce a realistic and achievable intervention plan for asthma management
2. To provide evidence based understanding of asthma and its management in South Asian children

Completion date
28/02/2013

Eligibility

Key inclusion criteria
Phase 2:
1. Adults aged 18+
2. South Asian descent

Phase 3:
Children
1. Child has at least one parent of south Asian descent
2. Child with doctor diagnosed asthma
3. Child aged 4-12 years (primary school aged)

Adults:
1. Parent (or carer in absence of parents) of a child fulfilling the inclusion criteria
2. Being a grandparent or secondary carer of a child fulfilling the inclusion criteria

Healthcare Professionals
Currently involved in the provision of services for children of south Asian origin, either directly or in commissioning

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Child

Lower age limit
4 Years

Sex
All

Key exclusion criteria
Phase 2: Does not meet inclusion criteria

Phase 3:
Children:
Co-existing respiratory disorder, e.g. Chronic Lung Disease, Long term ventilation

Adults:
Does not meet inclusion criteria

Healthcare Professionals:
Does not meet inclusion criteria

Date of first enrolment
01/09/2010

Date of final enrolment
28/02/2013

Locations

Countries of recruitment
United Kingdom

England

Study participating centre
Department of Child Health
Leicester
United Kingdom
LE1 5WW

Sponsor information

Organisation
University of Leicester (UK)

ROR
https://ror.org/04h699437

Funder(s)

Funder type
Government

Funder Name
NIHR Health Services Research (UK) Grant Codes: 09/2001/19

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary
Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	01/09/2014		Yes	No
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes
Study website	Study website	11/11/2025	11/11/2025	No	Yes