

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

<b>Submission date</b> 10/05/2012	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 23/11/2012	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
<b>Last Edited</b> 06/07/2018	<b>Condition category</b> Respiratory	<input type="checkbox"/> 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 professionals 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 be 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, we'll perfect the ideas and turn them into workable plans to be used in Leicester. Each workshop will take approximately 2 hours in total and parts of it will be recorded. They'll be in health centres or community centres or at the Universities. We'll 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  
db230@le.ac.uk

## Contact information

#### Type(s)

Scientific

#### Contact name

Dr Deborah Bird

#### Contact details

Department of Child Health  
Level 5  
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Leicester  
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LE1 5WW

## **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

#### **Study design**

Community-based participatory research utilising qualitative data collection methods

#### **Primary study design**

Observational

#### **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?
<a href="#">Results article</a>	results	01/09/2014		Yes	No
<a href="#">Participant information sheet</a>	Participant information sheet	11/11/2025	11/11/2025	No	Yes
<a href="#">Study website</a>	Study website	11/11/2025	11/11/2025	No	Yes