

# An evaluation of the health and economic impact of integrated management of childhood illness in Matlab, Bangladesh: a randomised experimental study

**Submission date**

17/05/2007

**Recruitment status**

No longer recruiting

☐ Prospectively registered

☐ Protocol

**Registration date**

22/06/2007

**Overall study status**

Completed

☐ Statistical analysis plan

☒ Results

**Last Edited**

22/05/2019

**Condition category**

Nutritional, Metabolic, Endocrine

☐ Individual participant data

**Plain English summary of protocol**

Not provided at time of registration

## Contact information

**Type(s)**

Scientific

**Contact name**

Dr Robert Scherpbier

**Contact details**

Department of Child and Adolescent Health and Development

World Health Organization

20 Avenue Appia

Geneva-27

Switzerland

CH-1211

+41 (0)22 791 2693

[scherpbier@who.int](mailto:scherpbier@who.int)

## Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

## Secondary identifying numbers

N/A

# Study information

## Scientific Title

An evaluation of the health and economic impact of integrated management of childhood illness in Matlab, Bangladesh: a randomised experimental study

## Acronym

MCE-Bangladesh

## Study objectives

Child health interventions delivered as Integrated Management of Childhood Illness (IMCI) will achieve greater improvements in health status and be more cost-effective than when reliance is placed on similar, but vertically organised health programmes.

## Ethics approval required

Old ethics approval format

## Ethics approval(s)

The Ethical Review Committee (ERC) of ICDDR,B is legally established body for the review research protocols involving humans under a specific Bangladesh law. The ERC has a Federal Wide Assurance (FWA) with the US Government (FWA#00001468). Ethics approval was gained on the 28th August 2006 (the reference number for this protocol from ERC of ICDDR, B is 1999-009).

## Study design

Randomised trial

## Primary study design

Interventional

## Secondary study design

Randomised controlled trial

## Study setting(s)

Not specified

## Study type(s)

Quality of life

## Participant information sheet

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

Diseases and conditions included in IMCI: nutritional status and major causes of childhood death (including Acute Respiratory Illness [ARI], diarrhoea, and newborn conditions) and child health in general

## Interventions

1. Facility-based Integrated Management of Childhood Illness (IMCI) interventions: started from March 2002 and is still ongoing
2. Community-based Integrated Management of Childhood Illness (IMCI) interventions: consists of different subcomponents which were gradually phased in from June 2003 and are still ongoing
3. Health systems support: started from March 2002 and is still ongoing

Principal Investigator:  
Shams El Arifeen  
ICDDR  
GPO Box 128  
Dhaka 1000  
Bangladesh  
Tel: +880 (0)2 881 0115  
Email: shams@icddr.org

### **Intervention Type**

Other

### **Phase**

Not Specified

### **Primary outcome measure**

1. Under-five mortality: baseline measured in 2000, midterm in intervention are in 2005 and end-of-project in 2007
2. Under-five nutritional status: baseline measured in 2000 and end-of-project in 2007

### **Secondary outcome measures**

1. Quality, coverage and utilisation of IMCI services: baseline measured in 2000, and in 2003 and 2005
2. Client satisfaction: measured continuously from June 2003
3. Family and community practices related to IMCI: measured continuously from 2002
4. Costs and cost-effectiveness of IMCI implementation: baseline measured in 2000 and end-of-project in 2007

### **Overall study start date**

01/10/1999

### **Completion date**

31/12/2007

## **Eligibility**

### **Key inclusion criteria**

All under-five children and their caretakers who are residents of the study area.

### **Participant type(s)**

Patient

### **Age group**

Child

**Upper age limit**

5 Years

**Sex**

Not Specified

**Target number of participants**

40000

**Total final enrolment**

350000

**Key exclusion criteria**

Do not meet the criteria above.

**Date of first enrolment**

01/10/1999

**Date of final enrolment**

31/12/2007

## **Locations**

**Countries of recruitment**

Bangladesh

Switzerland

**Study participating centre**

Department of Child and Adolescent Health and Development

Geneva-27

Switzerland

CH-1211

## **Sponsor information**

**Organisation**

The Department of Child and Adolescent Health (CAH)/World Health Organization (WHO)  
(Switzerland)

**Sponsor details**

World Health Organization

20 Avenue Appia

Geneva-27  
Switzerland  
CH-1211

**Sponsor type**

Research organisation

**Website**

<http://www.who.int/>

**ROR**

<https://ror.org/01f80g185>

## **Funder(s)**

**Funder type**

Government

**Funder Name**

Bill and Melinda Gates Foundation (USA)

**Alternative Name(s)**

Bill & Melinda Gates Foundation, Gates Foundation, BMGF, B&MGF, GF

**Funding Body Type**

Government organisation

**Funding Body Subtype**

Trusts, charities, foundations (both public and private)

**Location**

United States of America

**Funder Name**

United States Agency for International Development (USA)

**Alternative Name(s)**

U.S. Agency for International Development, Agency for International Development, USAID

**Funding Body Type**

Government organisation

**Funding Body Subtype**

National government

**Location**

United States of America

## Results and Publications

**Publication and dissemination plan**

Not provided at time of registration

**Intention to publish date****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	01/08/2009	22/05/2019	Yes	No