

# 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**

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## Additional identifiers

**Protocol serial number**

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

**Study type(s)**

Quality of life

**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

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**Intervention Type**

Other

**Phase**

Not Specified

**Primary outcome(s)**

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

**Key secondary outcome(s)**

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

**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

**Healthy volunteers allowed**

No

**Age group**

Child

**Upper age limit**

5 years

**Sex****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)

**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, Gates Learning Foundation, William H. 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

**Individual participant data (IPD) sharing plan**

**IPD sharing plan summary**

**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