

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

Principal Investigator:

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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?
Results article	results	01/08/2009	22/05/2019	Yes	No