ISRCTN52793850 https://doi.org/10.1186/ISRCTN52793850

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

Registration date
22/06/2007

Overall study status
Completed

Last Edited
22/05/2019

Condition category
Nutritional, Metabolic, Endocrine

[_] Prospectively registered
[_] Protocol
[_] Statistical analysis plan
[X] Results
[_] 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
scherpbierr@who.int

Additional identifiers

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).

Primary study design
Interventional

Study design
Randomised trial

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:
Shams El Arifeen
ICDDRB
GPO Box 128
Dhaka 1000

Bangladesh
Tel: +880 (0)2 881 0115
Email: shams@icddrb.org

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 continously 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