

# Assessing the impact of an intervention to implement the referral care component of Integrated Management of Childhood Illnesses (IMCI) in district hospitals

<b>Submission date</b> 20/11/2008	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 21/11/2008	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
<b>Last Edited</b> 15/01/2015	<b>Condition category</b> Other	<input type="checkbox"/> Individual participant data

**Plain English summary of protocol**  
Not provided at time of registration

## Contact information

**Type(s)**  
Scientific

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## Additional identifiers

**Protocol serial number**  
SSC911

## Study information

**Scientific Title**

A randomised, parallel group trial of a multifaceted intervention to improve care of children in Kenyan district hospitals

### **Study objectives**

That the quality of paediatric inpatient care at district hospitals in Kenya can be improved by an intervention over 18 months comprising evidence based guidelines, training, supervision, feedback and facilitation of local problem solving.

### **Ethics approval required**

Old ethics approval format

### **Ethics approval(s)**

Approved by the KEMRI National Ethical Review Committee on 21st September 2005

### **Study design**

Randomised, parallel, controlled intervention study

### **Primary study design**

Interventional

### **Study type(s)**

Quality of life

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

Quality of paediatric inpatient care

### **Interventions**

Intervention arms:

Baseline survey followed by training, provision of guidelines and job aides (guideline booklets, standard admission record forms), external supervision and feedback after surveys and local facilitation provided over 18 months. Cross-sectional surveys conducted at 6, 12 and 18 months post-baseline.

Control arm:

Baseline survey followed by limited training, provision of guidelines and job aides (guideline booklets, standard admission record forms), written feedback after surveys over 18 months. Cross-sectional surveys conducted at 6, 12 and 18 months post-baseline.

### **Intervention Type**

Other

### **Phase**

Not Specified

### **Primary outcome(s)**

Proportion of children with admission assessment, classification and treatment that is adherent to guidelines provided for pneumonia, diarrhoea/dehydration and malaria. Measurements will be available at 6, 12 and 18 months post-baseline with the primary endpoint being 18 months.

### **Key secondary outcome(s)**

Proportion of key clinical signs documented for pneumonia, diarrhoea/dehydration and malaria admissions at 6, 12 and 18 months post-baseline with the primary endpoint being 18 months and will use a facility inventory to describe the proportion of items on a pre-specified checklist that are available at the time of the survey also at 6, 12 and 18 months post-baseline with the primary endpoint being 18 months.

**Completion date**

31/05/2009

## Eligibility

**Key inclusion criteria**

1. Hospitals purposefully selected to represent diversity of Kenyan context and fulfilling minimum size requirements of 1,000 paediatric admissions per annum.
2. Random selection of all childhood admissions:
  - 2.1. Aged 0 - 59 months, either sex
  - 2.2. In participating hospitals with a diagnosis covered by inpatient IMCI guidelines (malaria, pneumonia, meningitis, malnutrition, diarrhoea/dehydration, neonatal sepsis, prematurity/low birthweight)

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Child

**Lower age limit**

0 months

**Upper age limit**

59 months

**Sex**

All

**Key exclusion criteria**

Children aged 0 - 59 months in participating hospitals with non-IMCI diagnoses

**Date of first enrolment**

01/07/2006

**Date of final enrolment**

31/05/2009

## Locations

**Countries of recruitment**

Kenya

**Study participating centre**  
**KEMRI/Wellcome Trust Programme**  
Nairobi  
Kenya  
00100

## Sponsor information

**Organisation**  
The Wellcome Trust (UK)

**ROR**  
<https://ror.org/029chgv08>

## Funder(s)

**Funder type**  
Charity

**Funder Name**  
The Wellcome Trust (UK) (grant ref: 076827) - Senior Research Fellowship awarded to Dr. Mike English

## 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	25/11/2011		Yes	No
<a href="#">Results article</a>	results	18/07/2014		Yes	No

<a href="#">Other publications</a>	discussion paper on study design	01/06/2008		Yes	No
<a href="#">Participant information sheet</a>	Participant information sheet	11/11/2025	11/11/2025	No	Yes