

Comparing different approaches to reduce injuries in the home among children in Malaysia

Submission date	Recruitment status	<input type="checkbox"/> Prospectively registered
01/12/2017	No longer recruiting	<input type="checkbox"/> Protocol
Registration date	Overall study status	<input type="checkbox"/> Statistical analysis plan
23/01/2018	Completed	<input type="checkbox"/> Results
Last Edited	Condition category	<input type="checkbox"/> Individual participant data
18/01/2018	Injury, Occupational Diseases, Poisoning	<input type="checkbox"/> Record updated in last year

Plain English summary of protocol

Background and study aims

Educational interventions may be effective in reducing injury risk to children. This study looks at two different educational programmes. The first is an interactive tutorial programme, that is more time- and effort- intensive, involving a 30 minute tutorial by a trained field assistant. The second programme providing a pamphlet with information on risk factors for child injuries and how to mitigate them. There is previous evidence suggesting that a more active training session is effective, but it is also expensive in terms of time and labor and could be seen as more intrusive as well. This study attempts to understand if a more passive method of education using a pamphlet, might also reduce the risk factors for child injuries, and if so how efficacious it might be. This study aims to address injuries among children within the home environment

Who can participate?

Households with children between 12-59 months of age. Participants are the parents/primary caregivers of the child.

What does the study involve?

Households are assigned to one of two groups. Those in the first group receive an in-home safety tutorial. Those in the second group receive an educational pamphlet. The participants (parents/primary caregivers) taking part in the study answer survey questions at baseline and follow up visits. They also allow a trained field staff to do a walk-through of their house to complete a checklist based assessment to identify any hazards that may increase the risk of injury to the child. The participants are assigned to the tutorial arm or the pamphlet arm, and receive information about hazards around the home, and how to mitigate them.

What are the possible benefits and risks of participating?

The direct benefits to those taking part in the study is the receipt of information that will allow them to rectify any identified hazards that potentially put their child(ren) at risk for injuries. The indirect benefit is for enhancing our understanding of what works and what doesn't work in terms of disseminating information on making the home a safer place for children. The risks are minimal –potential distress when reporting injuries that may have occurred.

Where is the study run from?

1. Johns Hopkins International Injury Research Unit (USA)
2. Universiti Putra Malaysia (Malaysia)

When is the study starting and how long is it expected to run for?

July 2012 to December 2015

Who is funding the study?

Johns Hopkins International Injury Research Unit (USA)

Who is the main contact?

Dr Abdulgafoor Bachani

Contact information

Type(s)

Scientific

Contact name

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Contact details

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21205

Additional identifiers

Protocol serial number

IRB#4912

Study information

Scientific Title

Assessing the effectiveness of intervention strategies to address home injuries among children in Malaysia: a community-based cluster randomized trial

Acronym

Child Injury Prevention in Malaysia

Study objectives

Null Hypothesis:

There is no difference in the risk of injury at home across the two arms - home improvement, pamphlet.

Ethics approval required

Old ethics approval format

Ethics approval(s)

1. Institutional Review Boards at Johns Hopkins Bloomberg School of Public Health, 07/16/2013, ref: 4912
2. Universiti Putra Malaysia Ethics Board, Malaysia, 11/10/2012

Study design

Interventional cluster randomized controlled trial

Primary study design

Interventional

Study type(s)

Prevention

Health condition(s) or problem(s) studied

Child injuries in or near the home environment

Interventions

The household is the unit of intervention. Two parallel study arms are examined with 1:1 allocation:

1. An active intervention: in-home safety tutorial
2. A passive intervention: educational pamphlet

The trial enrolls a cohort of households and administer a baseline and two follow-up home assessments at 2 and 4 months after the initial visit (Figure 1). The intervention (an in-home safety tutorial or an educational pamphlet) is delivered during the baseline visit, with the two follow-up assessments designed to evaluate the effectiveness of the intervention on reducing home safety hazards, which is the primary outcome.

Intervention Type

Behavioural

Primary outcome(s)

Hazards for child injuries within the home environment are measured using the a home assessment checklist which is completed by direct observation at the participant's home.

Key secondary outcome(s)

Unintentional child injury is measured using a structured questionnaire implemented by the trained field staff. The questions ask about injuries in the 3 months preceding the initial visit, and between each of the following visits

Completion date

31/12/2015

Eligibility

Key inclusion criteria

1. The study participants are parents/guardians of the child(ren), who have the authority to modify the home environment to improve its safety.
2. Households with children between 12-59 months of age. Participants are the parents/primary caregivers of the child

Participant type(s)

Other

Healthy volunteers allowed

No

Age group

Adult

Sex

All

Key exclusion criteria

The study excludes households that do not have any parent/guardian who can read Bahasa Malay (the local language) or English, or those who plan to move from the area within 2 months of the baseline interview.

Date of first enrolment

01/06/2014

Date of final enrolment

31/12/2014

Locations

Countries of recruitment

Malaysia

United States of America

Study participating centre

Johns Hopkins International Injury Research Unit

Health Systems Program, Department of International Health

Johns Hopkins Bloomberg School of Public Health

615 N. Wolfe Street

Baltimore, MD 21205, USA

Baltimore
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21205

Study participating centre

Universiti Putra Malaysia
Department of Family and Community Health
43400 UPM Serdang
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43400

Sponsor information

Organisation

Johns Hopkins International Injury Research Unit

ROR

<https://ror.org/00za53h95>

Funder(s)

Funder type

Hospital/treatment centre

Funder Name

Johns Hopkins International Injury Research Unit

Results and Publications

Individual participant data (IPD) sharing plan

The datasets generated during and/or analysed during the current study are not expected to be made available due to the consent process which informed participants that their data will not be shared with others.

IPD sharing plan summary

Not expected to be made available

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<u>Participant information sheet</u>	Participant information sheet	11/11/2025	11/11/2025	No	Yes