Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

The Effect of Education Based on Health Belief Model of Mothers on Promoting Preventive Behaviors of Iron Deficiency Anemia in Children

Protocol summary

Summary

The aim of this study is to determine the effectiveness of teaching based on the theory of Health Belief Model on prevention of Iron Deficiency Anemia in Children. The samples are mothers with children between 1–6 years old in Babol city with Simple random sampling method. 132 subjetcs are divided into two groups. After the pre-test in both groups, training program is done for the intervention group. At the end of study the post-test will be done in both groups and the results will be analyzed. Inclusion Criteria: Willingness to Participate in the Study, being Selected in sampling process; Exclusion Criteria: unwillingness to continue the study, Absence from Training Sessions; The Primary Outcome: Adopt Behaviors to Prevent of Iron Deficiency Anemia; The Secondary Outcome: Knowledge; Perceived Susceptibility; Perceived Severity; Perceived Benefits; Perceived Barriers; Efficacy; Cues of Action; and Performance

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014082118892N1**
Registration date: **2014-11-23, 1393/09/02**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2014-11-23, 1393/09/02

Registrant information

Name

Nayyereh Mohammadzadeh Larijani

Name of organization / entity

Arak University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 86 3368 4615

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Recruitment status

Recruitment complete

Funding source

Arak University of Medical Sciences

Expected recruitment start date

2014-10-23, 1393/08/01

Expected recruitment end date

2015-02-20, 1393/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effect of Education Based on Health Belief Model of Mothers on Promoting Preventive Behaviors of Iron Deficiency Anemia in Children

Public title

The Effect of Education of mothers on prevention of Iron Deficiency Anemia in Children

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion Criteria: Willingness to Participate in the Study, being Selected in sampling process; Exclusion Criteria: unwillingness to continue the study, Absence from Training Sessions

Age

No age limit

Gender

Female

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **132**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Babol University of Medical Sciences
Street address
Babol University of Medical Sciences, Keshavarz Street
City
Babol
Postal code
4717647745
Approval date
2014-10-20, 1393/07/28
Ethics committee reference number
931694

Health conditions studied

1

Description of health condition studied
Iron deficiency anemia
ICD-10 code
D50.8
ICD-10 code description
Other iron deficiency anaemias

Primary outcomes

1

Description
Adopt Behaviors to Prevent of Iron Deficiency Anemia
Timepoint
Before and After the Intervention
Method of measurement
Questionnaire

Secondary outcomes

1

Description
Perceived Barriers
Timepoint
Before and After the Intervention
Method of measurement
Questionnaire

2

Description
Self-Efficacy
Timepoint
Before and After the Intervention
Method of measurement
Questionnaire

3

Description
Perceived Benefits
Timepoint
Before and After the Intervention
Method of measurement
Questionnaire

4

Description
Perceived Susceptibility
Timepoint
Before and After the Intervention
Method of measurement
Questionnaire

5

Description
Perceived Severity
Timepoint
Before and After the Intervention
Method of measurement
Questionnaire

6

Description
Cues of Action
Timepoint
Before and After the Intervention
Method of measurement
Questionnaire

7

Description
Performance
Timepoint
Before and After the Intervention
Method of measurement

Questionnaire

8

Description
Knowledge
Timepoint
Before and After the Intervention
Method of measurement
Questionnaire

Intervention groups

1

Description
Intervention Group: After the pre-test in both groups, Mothers in the intervention group will be invited to participate in four educational sessions (during Two weeks). Educational program will be hold based on health belief model, Speeches, group discussions, Pamphlets and educational video.
Category
Prevention

2

Description
Control Group: no intervention.
Category
N/A

Recruitment centers

1

Recruitment center
Name of recruitment center
Babol Health Center
Full name of responsible person
Mahboobeh Khorsandi
Street address
Bagh Ferdos Square
City
Babol

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Arak University of Medical Sciences
Full name of responsible person
Mohammad Rafiee
Street address
Arak University of Medical Sciences, Basij Square, Sardashat
City
Arak
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Arak University of Medical Sciences
Proportion provided by this source
100
Public or private sector
empty
Domestic or foreign origin
empty
Category of foreign source of funding
empty
Country of origin
Type of organization providing the funding
empty

Person responsible for general inquiries

Contact
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Full name of responsible person
Nayyereh Mohammadzadeh Larijani
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Person responsible for updating data

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mohsenpasha66@yahoo.com
Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)
empty
Study Protocol
empty
Statistical Analysis Plan
empty
Informed Consent Form
empty
Clinical Study Report
empty
Analytic Code
empty
Data Dictionary
empty