

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jul 2026

The Effect of Multimedia Educational Intervention on Prevention of Home Accidents in Mothers with Children Under Five Years: An Application of Protection Motivation Theory

Protocol summary

Study aim

Determining the effect of multimedia educational intervention based on protection motivation theory on accident prevention behavior in mothers with children under 5 years old

Design

A randomized controlled clinical trial with 2 groups with parallel groups, 100 mothers with children under 5 years old living in Bushehr who will be assigned in two groups through two stages by simple random method.

Settings and conduct

The study was conducted to investigate the effect of multimedia educational intervention on home accident prevention behavior in mothers with children under 5 years old, an application of protection motivation model in Bushehr.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Having an electronic health record in the integrated health system (Šib); Having a child under 5 years old; Having a computer, tablet or smart phone and familiarity with working with it; Internet access; Literacy for reading and writing; Willingness to participate in the study. Non inclusion criteria: having an incurable disease

Intervention groups

1- Intervention group: They receive the educational intervention with the pattern of protection motivation in 10 days in the form of multimedia and in the context of the website, and then they receive messages as a reminder within two months. 2. Control group: They only receive routine training.

Main outcome variables

Home Accident Prevention Behavior, Awareness, Perceived Sensitivity, Perceived Intensity, Perceived Self-Efficacy, Perceived Costs, Perceived Rewards, Perceived Response Efficiency, Fear, Protective Motivation

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200907048651N1**

Registration date: **2020-10-03, 1399/07/12**

Registration timing: **registered_while_recruiting**

Last update: **2020-10-03, 1399/07/12**

Update count: **0**

Registration date

2020-10-03, 1399/07/12

Registrant information

Name

Anahita Mallahzadeh

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 77 3355 4373

Email address

mallahzadehanahita@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-09-21, 1399/06/31

Expected recruitment end date

2020-11-20, 1399/08/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effect of Multimedia Educational Intervention on Prevention of Home Accidents in Mothers with Children Under Five Years: An Application of Protection Motivation Theory

Public title

The effect of education on raising mothers' awareness of accidents in children

Purpose

Education/Guidance

Inclusion/Exclusion criteria**Inclusion criteria:**

Having an electronic health record in the integrated health system (Sib) Having a child under 5 years old Have a computer, tablet or smart phone and get acquainted with working with it Internet access Literacy for reading and writing Willingness to participate in the study

Exclusion criteria:

The child has incurable disease The mother has physical or mental health problems that affect her caring role The child is cared for full time by a person other than the mother.

Age

From **15 years** old to **51 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **100**

Randomization (investigator's opinion)

Randomized

Randomization description

Sampling will be done in two stages so that initially 4 centers (2 centers for training and 2 centers as a control group) will be selected from 10 comprehensive health service centers in Bushehr by simple random method. Then, in each center, in proportion to the number of women with children under 5 years old, covered by that center and based on the calculated sample size, the number of samples is selected. Then, the electronic file of mothers in the integrated health system (Apple) is evaluated to check the inclusion criteria and among the mothers with the initial inclusion criteria, the desired number (equal to the sample size) is randomly selected by lot and then contacted. Will be taken to get information about other criteria for entering the study (having a computer, tablet or smart phone, Internet access) and having the consent to participate in the study. According to the number of selected mothers who did not meet the conditions for entering the study or willingness to participate in the study, the rest of the list is randomly selected and sampling continues until the sample size is reached.

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**

Ethics Committee of Bushehr University of Medical Sciences

Street address

Bushehr University of Medical Sciences; Salman Farsi street

City

Bushehr

Province

Boushehr

Postal code

7514633341

Approval date

2020-07-14, 1399/04/24

Ethics committee reference number

IR.BPUMS.REC.1399.058

Health conditions studied**1****Description of health condition studied**

Accidents

ICD-10 code

S00-T98

ICD-10 code description

Injury, poisoning and certain other consequences of external causes

Primary outcomes**1****Description**

preventive behaviors of home accidents

Timepoint

Before training and two months after training

Method of measurement

questionnaire

2**Description**

Awareness

Timepoint

Before training and two months after training

Method of measurement

questionnaire

3

Description

Perceived sensitivity

Timepoint

Before training and two months after training

Method of measurement

questionnaire

4

Description

Perceived severity

Timepoint

Before training and two months after training

Method of measurement

questionnaire

5

Description

Perceived self-efficacy

Timepoint

Before training and two months after training

Method of measurement

questionnaire

6

Description

Perceived costs

Timepoint

Before training and two months after training

Method of measurement

questionnaire

7

Description

Perceived reward

Timepoint

Before training and two months after training

Method of measurement

questionnaire

8

Description

Perceived response efficiency

Timepoint

Before training and two months after training

Method of measurement

questionnaire

9

Description

fear

Timepoint

Before training and two months after training

Method of measurement

questionnaire

10

Description

Protective motivation

Timepoint

Before training and two months after training

Method of measurement

questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: educational intervention for the intervention group is designed and presented in ten days through multimedia including motion graphics, video with motion graphics plugins, podcasts and illustrated text attachments on the website, and then sending a reminder message for up to two months as a reminder.

Category

Prevention

2

Description

Control group: They only receive routine training.

Category

N/A

Recruitment centers

1

Recruitment center**Name of recruitment center**

Shohada Comprehensive urban health service center

Full name of responsible person

Zahra Hozhabri

Street address

Shohada Health Center; Behesht Sadegh street

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Bushehr

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Phone

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2

Recruitment center**Name of recruitment center**

Khyber Urban Health Center

Full name of responsible person

Nasrin Shabankare

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Khyber Health Center; Shohaday-Khyber street;
Ashuri street

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3**Recruitment center****Name of recruitment center**

Quds Comprehensive Urban Health Service Center

Full name of responsible person

Leyla Savameri

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In front of the door of the Maritime Museum; Ryani

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4**Recruitment center****Name of recruitment center**

Meraj Comprehensive Urban Health Service Center

Full name of responsible person

Azarosadat Tabarestani

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Meraj health center; Forodgah street

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Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Boushehr University of Medical Sciences

Full name of responsible person

Gholamreza Khamisipour

Street address

Bushehr University of Medical Sciences; Salman Farsi
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khamisipour@bpums.ac.ir

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Boushehr University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

Academic

Person responsible for general inquiries**Contact****Name of organization / entity**

Boushehr University of Medical Sciences

Full name of responsible person

Dr. Seyed Hamamuddin Javadzadeh

Position

Professor

Latest degree

Ph.D.

Other areas of specialty/work

Health Promotion

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Boushehr University of Medical Sciences

Full name of responsible person

Dr. Seyed Homamuddin Javadzadeh

Position

Professor

Latest degree

Ph.D.

Other areas of specialty/work

Health Promotion

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Person responsible for updating data

Contact

Name of organization / entity

Boushehr University of Medical Sciences

Full name of responsible person

Anahita Mallahzadeh

Position

master student

Latest degree

Bachelor

Other areas of specialty/work

Occupational Health

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available