

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

09 Jul 2026

### Evaluation of the effect of first aid training based on health belief model on improving the practice of mothers with children under 6 years old at the time of accidents in Azna

#### Protocol summary

##### Study aim

Determining the effect of first aid training based on health belief model on improving the ability of mothers with children under 6 years old referring to health centers in Azna city

##### Design

The study population was 100 mothers with children under 6 years of age, which was randomly assigned to 50 in the intervention group and 50 in the control group.

##### Settings and conduct

This study is conducted in Azna city for the education of mothers with children under 6 years old. In this study, it is a randomized controlled trial that is randomly selected and placed in intervention and control groups.

##### Participants/Inclusion and exclusion criteria

Mothers with children under the age of 6 who wish to participate in the research are covered by health centers. Mothers who are literate (at least 5 years of schooling).

##### Intervention groups

Necessary and determined trainings, including continuous training seminars in two 60-minute sessions and presentation of training booklets and pamphlets for the intervention group, and then in a test that will be conducted 3 months later with the distribution of questionnaires, the level of the two groups in terms of the defined variables is compared.

##### Main outcome variables

The main consequence variable is the timely delivery of first aid by the mother to the child in the event of an accident.

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20210920052531N1**

Registration date: **2022-12-29, 1401/10/08**

Registration timing: **retrospective**

Last update: **2022-12-29, 1401/10/08**

Update count: **0**

##### Registration date

2022-12-29, 1401/10/08

##### Registrant information

###### Name

Ruhollah Noori

###### Name of organization / entity

###### Country

Iran (Islamic Republic of)

###### Phone

+98 66 4342 1995

###### Email address

r.nouri98@arakmu.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2021-12-11, 1400/09/20

##### Expected recruitment end date

2022-01-10, 1400/10/20

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Evaluation of the effect of first aid training based on health belief model on improving the practice of mothers with children under 6 years old at the time of accidents

**Public title**

The effect of first aid training on improving the performance of mothers in the event of an accident

**Purpose**

Education/Guidance

**Inclusion/Exclusion criteria****Inclusion criteria:**

Mothers with children under the age of 6 who wish to participate in the research are covered by health centers. Mothers who are literate (at least 5 years of schooling).

**Exclusion criteria:**

The unwillingness of the samples to participate in this research.

**Age**

From **18 years** old to **50 years** old

**Gender**

Female

**Phase**

N/A

**Groups that have been masked**

*No information*

**Sample size**

Target sample size: **100**

**Randomization (investigator's opinion)**

Not 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**

Ethics Committee of Arak University of Medical Sciences

**Street address**

Deputy Education and research, Pardis Educational Complex, Basij Square, Sardasht, Arak

**City**

arak

**Province**

Markazi

**Postal code**

38481-7-6941

**Approval date**

2021-08-29, 1400/06/07

**Ethics committee reference number****Health conditions studied****1****Description of health condition studied**

first aid training

**ICD-10 code****ICD-10 code description****Primary outcomes****1****Description**

Improving the ability of mothers with children under 6 years old at the time of the accident

**Timepoint**

Before the intervention and three months after the intervention

**Method of measurement**

Questionnaire

**Secondary outcomes**

empty

**Intervention groups****1****Description**

In this study, the test group received the designed educational intervention. The trainings were conducted by researchers in training sessions for the intervention group using the methods of lectures, group discussions, giving educational booklets and pamphlets regarding the factors and complications of accidents and incidents in children. In this regard, in order to improve and speed up education, posters, pamphlets, and educational CDs on how to perform first aid in simple language for mothers were used; Also, in order to better educate and educate mothers, following the prevailing health protocols in health centers, and based on child care booklets regarding accidents and incidents, practical parts of the training were provided in person.

**Category**

N/A

**2****Description**

Control group: Without educational intervention and 3 months after the implementation of the intervention, the test groups will be checked and compared again through questionnaires.

**Category**

N/A

## Recruitment centers

1

### Recruitment center

**Name of recruitment center**

Azna health centers

**Full name of responsible person**

Dr. Mohsen Shamsi

**Street address**

Faculty of Health, Golestan St., Mostafa Khomeini  
Town, Arak.

**City**

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3818146851

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+98 86 3368 4615

**Email**

dr.shamsi@arakmu.ac.ir

## Sponsors / Funding sources

1

### Sponsor

**Name of organization / entity**

Arak University of Medical Sciences

**Full name of responsible person**

Dr. Davood Hekmat Po

**Street address**

Vice Chancellor for Research, Arak University of  
Medical Sciences, Pardis Educational Complex,  
Sardasht, Basij Square, Arak

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dr.shamsi@arakmu.ac.ir

**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**

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**

Arak University of Medical Sciences

**Full name of responsible person**

Ruhollah Noori

**Position**

Master student of health education

**Latest degree**

Bachelor

**Other areas of specialty/work**

Health Promotion

**Street address**

Faculty of Health, Golestan St., Mostafa Khomeini  
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## Person responsible for scientific inquiries

**Contact****Name of organization / entity**

Arak University of Medical Sciences

**Full name of responsible person**

Dr. Mohsen Shamsi

**Position**

PhD in Health Education and Promotion

**Latest degree**

Ph.D.

**Other areas of specialty/work**

Health Promotion

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## Person responsible for updating data

R.nouri98@arakmu.ac.ir

### Contact

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Arak University of Medical Sciences

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Master Student Of Health Education

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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