

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 May 2026

Effect of mothers' education based on the theory of planned behavior on prevention of urinary tract infection on their under two years old daughters

Protocol summary

Summary

This research is a quasi-experimental design with aim to determine the effect of education based on the theory of planned behavior in mothers with girls under the two years old in promoting preventive behaviors of urinary tract infection. This study that was carried out on 110 mothers who have girls under the two years old 2 years in referring to health centers of Arak were participated. Sampling randomly in two case and control groups (each of groups was 55 mothers). Inclusion criteria was having a literacy and exclusion of criteria was unwillingness to continue participation in this study or being absent for more than two session in educational classes. Data were collected with a questionnaire based on Theory of Planned Behavior. Then intervention was done during 4 sessions, with lectures, group discussions, movie show and booklet material for case group about education of preventive urinary tract infection in children. In the control group, the researcher does not do any educational intervention. Data again were collection and then analyze 3 month after intervention in both groups. In this study primary outcome is adoption of preventive behaviors of urinary tract infection among in mothers with girls under the two years old. Secondary outcomes is Knowledge, Attitudes, subjective norms, perceived behavioral control and behavioral intention

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017031533090N1**

Registration date: **2017-07-09, 1396/04/18**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2017-07-09, 1396/04/18

Registrant information

Name

Zahra Ahmadi

Name of organization / entity

Arak University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 918 956 0186

Email address

zahra.ahmadi@arakmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Office of the Vice-chancellor for Research of Arak University of Medical Sciences

Expected recruitment start date

2017-09-23, 1396/07/01

Expected recruitment end date

2017-11-24, 1396/09/03

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of mothers' education based on the theory of planned behavior on prevention of urinary tract infection on their under two years old daughters

Public title

Effect of mothers' education on prevention of urinary tract infection on their under two years old daughters

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Literate mothers of children under two years who referring to health centers of Arak.Exclusion criteria: mother's unwillingness to continue participation in this study; being absent more than two session in educational classes.

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: **110**

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**

Arak University of Medical Sciences

Street address

Arak, Basij Square, pardis Educational Complex,
Department of Education and Research

City

arak

Postal code

38481-7-6941

Approval date

2017-01-30, 1395/11/11

Ethics committee reference number

IR.ARAKMU.REC.1395.377

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

Urinary tract infection

ICD-10 code

N39.0

ICD-10 code description

Urinary tract infection, site not specified

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

Adopt behaviors to prevent of of urinary tract infectio in children.

Timepoint

Before and after the intervention.

Method of measurement

Questionnaire

Secondary outcomes**1****Description**

Knowledge! Attitude! Subjective norms! Perceived behavioral control and behavioral intention

Timepoint

Before and after the intervention.

Method of measurement

Questionnaire

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

Intervention 1: Education based on Theory of Planned Behavior in intervention group for 4 educational sessions according to the needs; 1 hour via lecture and discussion using training manual and etc. with data collection through questionnaire before and 3 months after the intervention

Category

Behavior

2**Description**

In the control group: the researcher does not do any educational intervention.

Category

N/A

Recruitment centers**1****Recruitment center****Name of recruitment center**

arak Health Centers

Full name of responsible person

zahra ahmadi

Street address

Department of Public Health, Golestan, Mustafa Khomeini, Arak

City
arak

zahra.ahmadi@arakmu.ac.ir
Web page address

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Arak University of Medical Sciences

Full name of responsible person

Dr Ali Ghazavi

Street address

Vice chancellor for research, Arak University of Medical Sciences, Pardis Educational complex, Basij Square, Arak

City

Arak

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Vice chancellor for research, 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

Name of organization / entity

Department of Health Education and Health Promotion , Arak University of Medical Sciences

Full name of responsible person

Zahra Ahmadi

Position

MSc student

Other areas of specialty/work

Street address

Department of Health Education and Health Promotion, Golestan Street, Arak

City

Arak

Postal code

3816635341

Phone

+98 86 3368 4615

Fax

Email

ahmadizahra313@gmail.com;

Person responsible for scientific inquiries

Contact

Name of organization / entity

Arak University of Medical Sciences

Full name of responsible person

Mohsen Shamsi

Position

PhD

Other areas of specialty/work

Street address

Golestan Street, School of health, Arak University of Medical Sciences

City

Arak

Postal code

Phone

+98 863684615

Fax

+98 86 3368 6443

Email

mohsen_shamsi1360@yahoo.com ;
dr.shamsi@arakmu.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity

School of Health, Arak University of Medical Sciences

Full name of responsible person

Zahra Ahmadi

Position

MSc student

Other areas of specialty/work

Street address

School of Health, Golestan Street, Arak

City

Arak

Postal code

Phone

+98 86 3368 4615

Fax

Email

ahmadizahra313@gmail.com;zahra.ahmadi@arakmu.ac.ir

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