

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

04 Aug 2026

### The Effect of Education Based on Health Belief Model on Practices Preventing Nosocomial Infections in Hospitals of Arak University of Medical Sciences

#### Protocol summary

##### Summary

This study aims at investigating the effect of education based on Health Belief Model on practices preventing nosocomial infections in nurses. The design of the study is pre-test post-test quasi-experimental design. The sample of study is one hundred nurses who are selected based on simple random sampling and are assigned to intervention group (n=50) and control group (n=50) randomly. The data are gathered via a researcher-made questionnaire whose validity and reliability are assured in advance. The inclusion criterion is having diploma, BSc, or MSc in nursing and midwifery, and the exclusion criterion is unwillingness to participate in the study. The educational intervention for the intervention group is done via holding an interactive educational seminar, presenting an educational brochure, and a month later via a multimedia as a reminder. The control group receive their routine education. The primary outcome measure is compliance with standard precautions.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2013091714689N1**

Registration date: **2014-10-02, 1393/07/10**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2014-10-02, 1393/07/10

##### Registrant information

##### Name

Mahboubeh khaton Ghanbari

**Name of organization / entity**

Arak University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 913 260 8305

##### Email address

m.ghanbari@arakmu.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Vice Chancellor for Research, Arak University of Medical Sciences

##### Expected recruitment start date

2014-01-21, 1392/11/01

##### Expected recruitment end date

2014-04-21, 1393/02/01

##### 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 on Practices Preventing Nosocomial Infections in Hospitals of Arak University of Medical Sciences

##### Public title

The Effect of Education on Practices Preventing Nosocomial Infections.

##### Purpose

Prevention

##### Inclusion/Exclusion criteria

Inclusion criterion: having diploma, BSc, or MSc in nursing or midwifery Exclusion criterion: unwillingness to participate in the study

##### Age

From **23 years** old to **55 years** old

**Gender**

Both

**Phase**

N/A

**Groups that have been masked**

No information

**Sample size**

Target sample size: **130**

**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**

Ethics Committee of Arak University of Medical Sciences

**Street address**

Health Faculty, Basij Sq. Sardashat, Arak, Iran

**City**

ARAK

**Postal code**

38481-7-6941

**Approval date**

2012-12-03, 1391/09/13

**Ethics committee reference number**

91-138-3

**Health conditions studied**

**1**

**Description of health condition studied**

Nosocomial infection

**ICD-10 code**

Y95

**ICD-10 code description**

Nosocomial condition

**Primary outcomes**

**1**

**Description**

practices preventing nosocomial infections

**Timepoint**

immediately before intervention and three months after intervention

**Method of measurement**

a researcher-made questionnaire

**Secondary outcomes**

**1**

**Description**

compliance with hand hygiene, compliance with personal protective principles, protection from needle-stick injuries

**Timepoint**

three months after the intervention.

**Method of measurement**

a researcher-made questionnaire based on the Health Belief Model, a checklist

**Intervention groups**

**1**

**Description**

Intervention Group: The intervention group will receive interactive continuing medical education seminar, an educational pamphlet, and a month later a multimedia as reminder.

**Category**

Prevention

**2**

**Description**

Control Group: The control group will receive their routine education.

**Category**

Prevention

**Recruitment centers**

**1**

**Recruitment center**

**Name of recruitment center**

Mahallat

**Full name of responsible person**

Mohsen Shamsi

**Street address**

Arak University of Medical Sciences, Basij Sq., Sardashat, Arak

**City**

Arak

**Sponsors / Funding sources**

**1**

**Sponsor**

**Name of organization / entity**

Vice chancellor for research, Arak University of Medical Sciences

**Full name of responsible person**

Davood Hekmatpou

**Street address**

Arak University of Medical Sciences, Basij Sq., Sardashat, Arak

**City**

Arak

**Grant name**

871

**Grant code / Reference number**

871

**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**

Arak University of Medical Sciences

**Full name of responsible person**

Mahbobeh khaton Ghanbari

**Position**

MSc student in Health Education

**Other areas of specialty/work****Street address**

Arak University of Medical Sciences, Basij Sq., Sardashat, Arak

**City**

Arak

**Postal code**

4173639

**Phone**

+98 86 3224 1411

**Fax**

+98 86 3224 1411

**Email**

shamim3356@yahoo.com

**Web page address**

-

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

Arak University of Medical Sciences

**Full name of responsible person**

Mohsen Shamsi

**Position**

Assistant Professor

**Other areas of specialty/work****Street address**

Arak University of Medical Sciences, Basij Sq., Sardashat, Arak

**City**

Arak

**Postal code**

38481-7-6941

**Phone**

+98 86 3368 4615

**Fax**

+98 86 3368 6443

**Email**

Email: dr.shamsi@arakmu.ac.ir;  
mohsen\_shamsi1360@yahoo.com

**Web page address**

http://arakmu.ac.ir

**Person responsible for updating data****Contact****Name of organization / entity**

Arak University of Medical Sciences

**Full name of responsible person**

Mahbobeh khaton Ghanbari

**Position**

MSc student in Health Education

**Other areas of specialty/work****Street address**

Arak University of Medical Sciences, Basij Sq., Sardashat, Arak

**City**

Arak

**Postal code**

38481-7-6941

**Phone**

+98 86 4324 2172

**Fax**

+98 86 3368 6443

**Email**

shamim3356@yahoo.com; m.ghanbari@arakmu.ac.ir

**Web page address**

http://arakmu.ac.ir

**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*