

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

17 Jun 2026

### **The effect of an educational intervention regarding the warning signs of cancer in knowledge and perceived beliefs of women who are coming to the health centers related to the Bushehr University of Medical Sciences by applying the Health Belief Model, 2014-2015**

#### **Protocol summary**

##### **Summary**

Objectives: The effect of an educational intervention regarding the warning signs of cancer in knowledge and perceived beliefs of women in the Health Centers related to the Bushehr University of Medical Sciences by applying the Health Belief Model, 2015-2016 Specific objectives: (1) To determine the awareness of women referred to health centers affiliated to Bushehr University of Medical Sciences in the intervention and control groups before and after training warning signs of cancer with the approach of Health Belief Model, 2015- 2016. (2) Determine and compare the beliefs of women referred to health centers affiliated to Bushehr University of Medical Sciences According to the health belief model structures in the intervention and control groups before and after training warning signs of cancer with the approach of Health Belief Model, 2015- 2016. Design: This study is an experimental study with intervention (n=80) and control (n=80) groups. First of all urban health centers affiliated to Bushehr University of Medical Sciences classified in four clusters and then to select two examples of the intervention group and the control group were two samples to select Setting and conduct: After oral and written consent from research participants research data were collected by a questionnaire. The first part of the questionnaire was demographic – health information (16 questions). In the second part, questions about awareness the warning signs of cancer (10 questions), and in the third part of the questionnaire, there was a series of questions about Health Belief Model constructs, including perceived susceptibility, perceived severity, perceived benefits, perceived barriers, cues to action and self-efficacy (34 questions). Face validity and content quality of the questionnaire was approved by 10 faculty members in Shahid Beheshti University of Medical Sciences. Participants including major eligibility criteria:

Inclusion criteria: women referred to health centers of the city are covered by the centers and family health records. The subjects were literate and be able to respond to questions in the questionnaire. Of samples in the study were not diagnosed with cancer. Exclusion criteria: participation in training sessions and absences in more than one session Intervention: During the first session, a pre test questionnaires containing demographic information - health and perceived knowledge and beliefs (questions based model structures) by the women in the study in two groups of four health center completed. After pre-test according to information obtained from the analysis of questionnaires, review of educational intervention program was designed. Then, for the women in the intervention group training sessions with lectures, question and answer, group discussion and small group discussion in two of the samples performed in coordination with the authorities and centers (5 sessions, 45-30 minutes). Meetings once a week over a period of five weeks was held in centers. Entries in the form of booklets based on needs assessments conducted in the pre-test, teaching, and at the end of each session, participants in the intervention group were offered. At the beginning of each session, the last session was an overview of the content. Thus, in both the intervention and control groups completed questionnaires and data for comparisons within the group and between groups were analyzed. It is worth noting that in the end, after the final post test control group were given educational materials. main outcome measures (variables): Perceived barriers Awareness of the warning signs of cancer Structural health belief model (perceived susceptibility, perceived severity, perceived benefits, perceived barriers, cues to action, efficacy) Age Level of Education Previous data from cancer

## General information

### Acronym

### IRCT registration information

IRCT registration number: **IRCT2015090723937N1**

Registration date: **2016-10-15, 1395/07/24**

Registration timing: **retrospective**

Last update:

Update count: **0**

### Registration date

2016-10-15, 1395/07/24

### Registrant information

#### Name

Iman Sharifi Kia

#### Name of organization / entity

Shiraz of Medical Science

#### Country

Iran (Islamic Republic of)

#### Phone

+98 71 3834 1255

#### Email address

sharifikia@sums.ac.ir

### Recruitment status

**Recruitment complete**

### Funding source

Governmental

### Expected recruitment start date

2015-09-23, 1394/07/01

### Expected recruitment end date

2015-12-22, 1394/10/01

### Actual recruitment start date

empty

### Actual recruitment end date

empty

### Trial completion date

empty

### Scientific title

The effect of an educational intervention regarding the warning signs of cancer in knowledge and perceived beliefs of women who are coming to the health centers related to the Bushehr University of Medical Sciences by applying the Health Belief Model, 2014-2015

### Public title

The effect of an educational intervention regarding the warning signs of cancer in knowledge and perceived beliefs of women who are coming to the health centers related to the Bushehr University of Medical Sciences by applying the Health Belief Model, 2014-2015

### Purpose

Prevention

### Inclusion/Exclusion criteria

Inclusion criteria: women referred to health centers of the city are covered by the centers and family health records. The subjects were literate and be able to respond to questions in the questionnaire. Of samples in the study were not diagnosed with cancer; Exclusion criteria: participation in training sessions and absences in

more than one session

### Age

From **18 years** old to **100 years** old

### Gender

Female

### Phase

2-3

### Groups that have been masked

*No information*

### Sample size

Target sample size: **160**

### 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

Bushehr University of Medical Sciences Ethics Committee

##### Street address

Salman Farsi street, Bahmani

##### City

Bushehr

##### Postal code

7518759577

##### Approval date

2015-07-20, 1394/04/29

##### Ethics committee reference number

bpums.rec.1394.9

### 2

#### Ethics committee

##### Name of ethics committee

Shahid Beheshti University of Medical Sciences  
Faculty Of Nursing And Midwifery Ethics Committee

##### Street address

Shahid Beheshti University of Medical Sciences  
Faculty Of Nursing And Midwifery, Intersection  
Niayesh, Tehran

##### City

Tehran

##### Postal code

##### Approval date

2015-12-14, 1394/09/23

##### Ethics committee reference number

## Health conditions studied

### 1

#### Description of health condition studied

Health Belief Model

#### ICD-10 code

#### ICD-10 code description

### 2

#### Description of health condition studied

knowledge

#### ICD-10 code

#### ICD-10 code description

### 3

#### Description of health condition studied

cancer

#### ICD-10 code

c80.9

#### ICD-10 code description

Malignant neoplasm, primary site unspecified Cancer  
NOS Carcinoma NOS Malignancy NOS Malignant cachexia  
NOS Multiple cancer NOS

### 4

#### Description of health condition studied

warning signs of cancer

#### ICD-10 code

#### ICD-10 code description

## Primary outcomes

### 1

#### Description

Perceived barriers

#### Timepoint

Before and one month after intervention

#### Method of measurement

Structure of Health Belief Questionnaire

### 2

#### Description

Awareness of the warning signs of cancer

#### Timepoint

Before and one month after intervention

#### Method of measurement

Questionnaire awareness

### 3

#### Description

Perceived susceptibility

#### Timepoint

Before and one month after intervention

#### Method of measurement

### 4

#### Description

Perceived severity

#### Timepoint

Before and one month after intervention

#### Method of measurement

Structure of Health Belief Questionnaire

### 5

#### Description

Perceived benefits

#### Timepoint

Before and one month after intervention

#### Method of measurement

Structure of Health Belief Questionnaire

### 6

#### Description

Guide to action

#### Timepoint

Before and one month after intervention

#### Method of measurement

Structure of Health Belief Questionnaire

### 7

#### Description

Efficacy

#### Timepoint

Before and one month after intervention

#### Method of measurement

Structure of Health Belief Questionnaire

### 8

#### Description

Age

#### Timepoint

Baseline

#### Method of measurement

Demographic questionnaire.

### 9

#### Description

Level of Education

#### Timepoint

Baseline

#### Method of measurement

Demographic questionnaire.

### 10

#### Description

Previous data from cancer

#### Timepoint

Before and one month after intervention

#### Method of measurement

questionnaire

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

Cases: In this study, after obtaining permission first 11 urban health center affiliated city health center were classified in four clusters (Each cluster consists of three centers of the North, East, West and also the center of a cluster depend on the outskirts of the city of Bushehr found). Then randomly selected from each of the clusters was a center (Two to be selected for the intervention group and two samples of the control). Samples were selected in the centers, according to inclusion criteria were randomly. During the first session, a pre-test questionnaires containing demographic information - health and perceived knowledge and beliefs (questions based model structures) by the women in the study in two groups of four health center completed. After running pre test according to information obtained from the analysis of questionnaires, review of educational intervention program was designed. Then, for the women in the intervention group training sessions with lectures, Q & A, group discussion and small group discussion in two of the samples performed in coordination with the authorities and centers (5 training sessions of 30-45 minutes). Sessions once a week over a period of five weeks are held in centers. After the post-test at the end of training sessions, the questionnaire was completed by a group intervention.

#### Category

Behavior

### 2

#### Description

Control group: firstly to all participants in the control group and the intervention group was completed questionnaires were distributed and only by them (without any training). Finally, after the final post-test training materials available in the intervention group was the control group.

#### Category

Behavior

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Bushehr University of Medical Sciences

##### Full name of responsible person

Sharifikia Iman

##### Street address

Bushehr University of Medical Sciences and Health Services, Moallem st, Standing in front of Friday Prayers

#### City

Bushehr

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Vice chancellor for research, Shahid Beheshti University of Medical Sciences Faculty Of Nursing And

##### Full name of responsible person

Dolatian Mahrokh (Research Assistant)

##### Street address

Shahid Beheshti University of Medical Sciences Faculty Of Nursing And Midwifery, Intersection Niayesh, Tehran

##### City

Tehran

##### 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, Shahid Beheshti University of Medical Sciences Faculty Of Nursing And

##### 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

Shahid Beheshti University of Medical Sciences Faculty Of Nursing And Midwifery

##### Full name of responsible person

Sharifikia Iman

##### Position

M.A Student

##### Other areas of specialty/work

##### Street address

Shahid Beheshti University of Medical Sciences Faculty Of Nursing And Midwifery, Intersection Niayesh, Tehran,

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##### Fax

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**Web page address**

## Person responsible for scientific inquiries

### Contact

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## Person responsible for updating data

### Contact

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## 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*