Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

The Effect of Education Based on the Theory of Planned Behavior on Promote Health Literacy and Breast Cancer Screening Among Rural Women Referred to Health Care Centers in Roshtkhar

Protocol summary

Summary

The Effect of Education Based on the Theory of Planned Behavior on Promote Health Literacy and Breast Cancer Screening Among Rural Women Referred to Health Care Centers In Roshtkar Abstract Introduction: Breast cancer is the most common cancer and the second leading cause of cancer death among Iranian women. This study aimed to determine The Effect of Education Based on the Theory of Planned Behavior on health literacy and Breast Cancer Screening Tests performance in women referred to health care centers Methods: In this semi-experimental study 80 women above age 35 years were selected by Multi-stage random sampling and randomly divided into either experimental or control groups. Data were collected by researcher-made questionnaire included questions about demographics, knowledge, attitudes, subjective norms, perceived behavioral control, intention, behavior and questionnaire of Test of functional health literacy in adults and Realm. The questionnaires were completed by women during the three periods: before, immediately after and three month after the intervention. Data were analysed using Spss software Version 16, using descriptive statistics and Spearman correlation test, Kruskal-Wallis , Paired t-test , Independent t-tests, Mann-Whitney, linear regression , General linear model and Repeated Measures ANOVA (α=0.05).

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016071028863N1**
Registration date: **2017-02-21, 1395/12/03**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2017-02-21, 1395/12/03

Registrant information

Name
Nooshin Peyman

Name of organization / entity
Mashhad University of Medical Sciences

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Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Mashhad University of Medical Sciences

Expected recruitment start date

2014-09-23, 1393/07/01

Expected recruitment end date

2015-01-05, 1393/10/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effect of Education Based on the Theory of Planned Behavior on Promote Health Literacy and Breast Cancer Screening Among Rural Women Referred to Health Care Centers in Roshtkhar

Public title

The Effect of Education Based on the Theory of Planned Behavior on Promote Health Literacy and Breast Cancer Screening

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria : Person’s intention to participate in the study؛ Iranian؛ Age 35 years and older؛ Lack of breast cancer؛ Exclusion criteria؛ Every Woman with any kind of malignancy OR Breast cancer؛ The Absence of two or more of the class sessions

Age

From **35 years** old to **75 years** old

Gender

Female

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **80**

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 Mashhad University of Medical Sciences

Street address

School of Health, Daneshgah18 Street, Danshgah Avenue, Mashhad

City

Mashhad

Postal code

Approval date

2015-08-23, 1394/06/01

Ethics committee reference number

IR.mums.ac.rec.1394.131

Health conditions studied

1

Description of health condition studied

Breast cancer

ICD-10 code

C 50

ICD-10 code description

Malignant neoplasm of breast

Primary outcomes

1

Description

Breast cancer screening

Timepoint

Before The intervention, One Month and three months after intervention

Method of measurement

Questionnaire and check list

2

Description

Clinical examination

Timepoint

Before The intervention, One Month and three months after intervention

Method of measurement

Questionnaire

3

Description

Mamography

Timepoint

Before The intervention, One Month and three months after intervention

Method of measurement

Questionnaire

4

Description

Health Literacy

Timepoint

Before The intervention, One Month and three months after intervention

Method of measurement

Questionnaire

Secondary outcomes

1

Description

Attitude

Timepoint

Before The intervention, One Month and three months after intervention

Method of measurement

Questionnaire

2

Description
subjective norm
Timepoint
Before The intervention, One Month and three months after intervention
Method of measurement
Questionnaire

3

Description
Behavicral intention
Timepoint
Before The intervention, One Month and three months after intervention
Method of measurement
Questionnaire

4

Description
perceived behavioral control
Timepoint
Before The intervention, One Month and three months after intervention
Method of measurement
Questionnaire

5

Description
Behavior
Timepoint
Before The intervention, One Month and three months after intervention
Method of measurement
Questionnaire

Intervention groups

1

Description
In intervention group, Education based on The theory of planned behavior was performed with 4 sessions of 60 minutes
Category
Early detection

2

Description
In control group we do not give them the instructions in intervention group , however if they want will be guide to health care providers to be educated .Then they will be followed up 3 months later.
Category
Early detection

Recruitment centers

1

Recruitment center
Name of recruitment center
Health center of Roshtkhar
Full name of responsible person
Nooshin Peyman
Street address
Health center of Roshtkhar, Roshtkhar , Khorasan Razavi
City
Roshtkhar

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research, Mashhad University of Medical Sciences
Full name of responsible person
Mohsen Tafaghodi
Street address
University of Medical Sciences Headquarters, University avenue
City
Mashhad
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, Mashhad 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
Mashhad University of Medical Sciences
Full name of responsible person
Mohammad Amani
Position
Masters of Health Education and Health Promotion
Other areas of specialty/work
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Person responsible for scientific inquiries

Contact

Name of organization / entity

Mashhad University of Medical Sciences

Full name of responsible person

Nooshin Peyman

Position

PhD in Health Education building community health

Other areas of specialty/work

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School of Health, Daneshgah18 Street, Danshgah Avenue, Mashhad

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Person responsible for updating data

Contact

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