

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Aug 2026

The effect of an educational intervention based on the theory of planned behavior on childbearing intentions in female students

Protocol summary

Study aim

Determining the effect of education based on the theory of planned behavior on the intention to have children in female students

Design

In the current research, the nursing-midwifery and pharmacy faculties of Shahid Beheshti University of Medical Sciences are considered as examples. Two faculties are selected as available, and the allocation of samples will be random block. Sampling is done in each faculty based on the purpose and 120 qualified people are divided into two groups of 60 control and 60 intervention groups. On even days of the week, female students in the intervention group and on odd days of the week, female students in the control group receive the necessary training. Finally, after obtaining the consent of the people, the necessary training and the relevant questionnaire are delivered to them and completed by them, and after completing the questionnaires, the information is analyzed by SPSS software version 22.

Settings and conduct

Faculties of Nursing Midwifery and Pharmacy of Shahid Beheshti University of Medical Sciences

Participants/Inclusion and exclusion criteria

Entry requirements: 1) Informed and written consent to participate in the research 2) Having Iranian nationality 3) All female students studying 4) Minimum age of 20 and maximum age of 35 years Non-entry conditions: 1) Failure to participate in a training session 2) Unwillingness to continue cooperation in research 3) Incomplete answers to questionnaire questions

Intervention groups

Female students of Nursing Midwifery and Pharmacy Faculties of Shahid Beheshti Medical Sciences

Main outcome variables

name of the faculty, Age, Major, Semester and level of study, marital status, Employment status, place of residence, economic status

General information

Reason for update

Acronym

Childbearing Intentions

IRCT registration information

IRCT registration number: **IRCT20220829055818N1**

Registration date: **2023-07-01, 1402/04/10**

Registration timing: **retrospective**

Last update: **2023-07-01, 1402/04/10**

Update count: **0**

Registration date

2023-07-01, 1402/04/10

Registrant information

Name

Reyhaneh Pourjam

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 2237 0210

Email address

rpourjam76@sbmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2022-09-27, 1401/07/05

Expected recruitment end date

2023-01-25, 1401/11/05

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of an educational intervention based on the theory of planned behavior on childbearing intentions in female students

Public title

The effect of an educational intervention based on the theory of planned behavior on childbearing intentions in female students of Shahid Beheshti University of Medical Sciences in 2022

Purpose

Education/Guidance

Inclusion/Exclusion criteria**Inclusion criteria:**

Informed and written consent to participate in the research Having Iranian nationality All female students studying The minimum age is 20 and the maximum age is 35 years

Exclusion criteria:

Failure to participate in a training session Unwillingness to continue cooperation in research Incomplete answers to questionnaire questions

Age

From **20 years** old to **35 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **100**

Randomization (investigator's opinion)

Randomized

Randomization description

Two Faculties of Nursing-Midwifery and Pharmacy of Shahid Beheshti Medical Sciences are selected as available, and the allocation of samples will be random block. Sampling is done in each faculty based on the purpose and 100 qualified people are divided into two groups of 50 control and 50 intervention groups. On even days of the week, female students in the intervention group and on odd days of the week, female students in the control group receive the necessary training.

Blinding (investigator's opinion)

Not blinded

Blinding description**Placebo**

Not used

Assignment

Other

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

school of pharmacy and nursing & midwifery- shahid beheshti university of medical sciences

Street address

Velenjak St. , Niayesh Highway

City

Tehran

Province

Tehran

Postal code

1985717443

Approval date

2022-09-06, 1401/06/15

Ethics committee reference number

IR.SBMU.PHARMACY.REC.1401.121

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

childbearing

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

Intervention Based on the Theory of Planned Behavior on Childbearing

Timepoint

2 to 3 Weekes

Method of measurement

Pawer Point Education

Secondary outcomes

empty

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

Intervention group: female students. It will be done on 120 people (60 people in the intervention group) of female students studying from Shahid Beheshti Nursing-Midwifery and Pharmacy Faculties of Medical Sciences using the available sampling method, where the allocation of samples will be in a random block. After receiving the letter of introduction and obtaining permission from the head of the research centers, sampling will begin from two faculties. The characteristics of the research samples include the incoming academic semesters of 2019, 2019, and 2019, and in undergraduate degrees in nursing, midwifery, psychiatry, and operating room, and general doctoral degrees in the field of pharmacy, including unmarried students. After completing the informed and written consent form, the research samples entered the study

and they were informed that they could withdraw from the study in case of dissatisfaction and unwillingness to cooperate. The data collection tool includes a demographic information questionnaire and the second part includes the constructs of the theory of planned behavior (awareness, attitude, mental norm, perceived behavior control and behavioral intention) which is pre-test-post-test in the space of 1 week from each Two intervention and control groups are taken. The educational content intended for training the intervention group from the available databases, including instructions and educational packages of the Ministry of Health related to childbearing and population in the form of 4 educational PowerPoints with the topics of "conscious marriage, childbearing and parenting, population and challenges, and abortion" embryo" has been prepared. Training is provided only to the intervention group during 2 sessions of 60 minutes in the form of lectures, group discussions and questions and answers by the researcher. Also, before the start of the second session, the materials related to the previous session are reviewed by the researcher.

Category
Other

2

Description

Control group: female students. It will be done on 120 people (60 people in the control group) of female students who are studying from the nursing-midwifery and pharmacy faculties of Shahid Beheshti Medical Sciences using available sampling method, and the allocation of samples will be done in a random block. After receiving the letter of introduction and obtaining permission from the head of the research centers, sampling will begin from two faculties. The characteristics of the research samples include the incoming academic semesters of 2019, 2019, and 2019, and in undergraduate degrees in nursing, midwifery, psychiatry, and operating room, and general doctoral degrees in the field of pharmacy, including unmarried students. After completing the informed and written consent form, the research samples entered the study and they were informed that they could withdraw from the study in case of dissatisfaction and unwillingness to cooperate. The data collection tool includes a demographic information questionnaire and the second part includes the constructs of the theory of planned behavior (awareness, attitude, mental norm, perceived behavior control and behavioral intention) which is pre-test-post-test in the space of 1 week from each Two intervention and control groups are taken. The control group did not receive training in this field.

Category
Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahid Beheshti Nursing-Midwifery and Pharmacy
Faculties of Medical Sciences

Full name of responsible person

Reyhaneh Pourjam

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Niayesh Highway

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Email

Rpourjam76@sbmu.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shahid Beheshti University of Medical Sciences

Full name of responsible person

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City

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Email

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Grant name

Grant code / Reference number

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

No

Title of funding source

Shahid Beheshti of Medical Sciences

Proportion provided by this source

50

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

Shahid Beheshti University of Medical Sciences
Full name of responsible person
Reyhaneh Pourjam
Position
Master Student of Midwifery
Latest degree
Master
Other areas of specialty/work
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Person responsible for scientific inquiries

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Person responsible for updating data

Contact

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Full name of responsible person
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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

It will be in the form of a questionnaire and giving PowerPoint and teaching it.

When the data will become available and for how long

2 month

To whom data/document is available

Professors and students

Under which criteria data/document could be used

During and after training

From where data/document is obtainable

Shahid Beheshti Nursing-Midwifery and Pharmacy
Faculties

What processes are involved for a request to access data/document

Test and pre-test process

Comments