

Clinical Trial Protocol

Iranian Registry of Clinical Trials

14 Jul 2026

The effect of telephone education based on the health belief model, on abortion among married mothers who are prone to abortion

Protocol summary

Study aim

Determining the effect of telephone training, based on the health belief model, on the intention to have an abortion among married and abortion-prone mothers

Design

The clinical trial has a control group, with parallel groups, one-sided blind, randomized using random table numbers

Settings and conduct

The research will be conducted in health service centers. The participants do not know how to be placed in the intervention or control group. The intervention group will be trained

Participants/Inclusion and exclusion criteria

Inclusion criteria: Iranian nationality, desire and informed consent, gestational age under 14 weeks, married and officially married, residence of Isfahan, Women who are mentally healthy. Exclusion criteria: women who intend to leave the study during or after receiving training

Intervention groups

Married women who are inclined to undergo induced abortion are trained by the researcher in order to make the right decision to continue the pregnancy, in a virtual way (through the educational hotline) and based on the content set based on the constructs of the health belief model. Before providing training, their intention to perform induced abortion is asked through questionnaires prepared in this field. In these educational packages, in addition to the content (complications of abortion and the benefits of continued pregnancy), images and videos related to the complications of induced abortions are also shown. The control group only receives the complications of abortion in the form of a prepared pamphlet for the purpose of increasing knowledge. 1 week after the training, the researcher will contact both groups and complete the mentioned questionnaires again

Main outcome variables

Perceived sensitivity score, perceived threat score,

perceived barriers score, perceived benefits score, self-efficacy score

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20221129056664N1**

Registration date: **2022-12-17, 1401/09/26**

Registration timing: **prospective**

Last update: **2022-12-17, 1401/09/26**

Update count: **0**

Registration date

2022-12-17, 1401/09/26

Registrant information

Name

Zahra Sohrabi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 31 3792 7546

Email address

zsohrabi@nm.mui.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2022-12-22, 1401/10/01

Expected recruitment end date

2023-06-22, 1402/04/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of telephone education based on the health belief model, on abortion among married mothers who are prone to abortion

Public title

The effect of telephone education based of Belief Model on abortion of married and abortion-prone mothers

Purpose

Education/Guidance

Inclusion/Exclusion criteria**Inclusion criteria:**

Have Iranian nationality Women who have a desire and informed consent to participate in the study The gestational age of women is less than 14 weeks Be married and officially married Be a resident of Isfahan city Women who are mentally healthy

Exclusion criteria:

Women who intend to drop out during or after receiving training.

Age

No age limit

Gender

Female

Phase

N/A

Groups that have been masked

- Participant

Sample size

Target sample size: **72**

Randomization (investigator's opinion)

Randomized

Randomization description

The researcher randomly selects 3 centers out of 5 comprehensive health centers through lottery. Sampling of people is done in an easy way from people who meet the criteria to enter the study, and then they are randomly placed in two intervention and control groups using a table of random numbers. Even numbers will be in the intervention group and odd numbers will be in the control group.

Blinding (investigator's opinion)

Single blinded

Blinding description

In this research, the participants are completely unaware of whether they are in the intervention or control group.

Placebo

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

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

Ethics committee of Isfahan University of Medical Sciences

Street address

Hezar Jarib Ave

City

Isfahan

Province

Isfahan

Postal code

73461-81746

Approval date

2022-11-22, 1401/09/01

Ethics committee reference number

IR.MUI.NUREMA.REC.1401.108

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

Abortion of mothers

ICD-10 code

O00-O08

ICD-10 code description

Pregnancy with abortive outcome

2**Description of health condition studied**

Other abortion

ICD-10 code

005

ICD-10 code description

Other abortion

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

Perceived sensitivity score

Timepoint

It will be done once before the educational intervention and once a week after the intervention

Method of measurement

Researcher made Questionnaire

2**Description**

Perceived threat score

Timepoint

It will be done once before the educational intervention and once a week after the intervention

Method of measurement

Researcher made Questionnaire

3

Description

Perceived barriers score

Timepoint

It will be done once before the educational intervention and once a week after the intervention

Method of measurement

Researcher made Questionnaire

4

Description

Perceived benefits score

Timepoint

It will be done once before the educational intervention and once a week after the intervention

Method of measurement

Researcher made Questionnaire

5

Description

Self-efficacy score

Timepoint

It will be done once before the educational intervention and once a week after the intervention

Method of measurement

Researcher made Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Married women who are inclined to undergo induced abortion are trained by the researcher in order to make the right decision to continue the pregnancy, in a virtual way (through the educational hotline) and based on the content set based on the constructs of the health belief model. Before providing training, their intention to perform induced abortion is asked through questionnaires prepared in this field. The duration of training in the intervention group is estimated to be 1 to 1 and a half hours. It should be noted that if the intervention group asked for more description of the training or the researcher thought that they needed more explanation to better understand the content, the training packages will be prepared based on the results of the expert panel and will be available on Itai channel. Researchers are also trained. In these educational packages, in addition to the content (complications of abortion and the benefits of continued pregnancy), images and videos related to the complications of induced abortions are also shown, while the research samples can have questions and answers with the researcher. The control group only receives the complications of abortion in the form of a prepared pamphlet for the purpose of increasing knowledge. 1

week after the training (due to the possibility of immediate decision of the mothers to have an abortion), the researcher will contact both groups and complete the mentioned questionnaires again. Questionnaires will be completed once before the intervention and again 1 week after the training (according to the possibility of immediate decision of mothers to have an abortion). Due to the completion of the questionnaires by the researcher, we can be sure that the questionnaires will be completed completely. Also, through the presentation of gifts that will be delivered by comprehensive health service centers, the participation of people will be attracted to complete the questionnaires.

Category

Behavior

Recruitment centers

1

Recruitment center

Name of recruitment center

Nawab Comprehensive Health Services Center

Full name of responsible person

Zahra Sohrabi

Street address

Ahmad Abad Ave., Nawab Blvd., Isfahan

City

Isfahan

Province

Isfahan

Postal code

81746-73461

Phone

+98 31 3227 5358

Email

zsohrabi@nm.mui.ac.ir

2

Recruitment center

Name of recruitment center

Ibn Sina Comprehensive Health Services Center

Full name of responsible person

Zahra Sohrabi

Street address

Ibn Sina Ave., Shohada blvd., Isfahan

City

Isfahan

Province

Isfahan

Postal code

81746-73461

Phone

+98 31 3445 9147

Email

zsohrabi@nm.mui.ac.ir

3

Recruitment center

Name of recruitment center

Amir Hamzeh Comprehensive Health Services Center

Full name of responsible person

Zahra Sohrabi

Street address

Amirhamzeh Ave., Meisami Blvd., Isfahan

City

Isfahan

Province

Isfahan

Postal code

81746-73461

Phone

+98 31 3775 7509

Email

zsohrabi@nm.mui.ac.ir

4

Recruitment center

Name of recruitment center

Waliasr Comprehensive Health Service Center

Full name of responsible person

Zahra Sohrabi

Street address

Amirieh Ave., Meisami Blvd., Isfahan

City

Isfahan

Province

Isfahan

Postal code

81746-73461

Phone

+98 31 3775 7509

Email

zsohrabi@nm.mui.ac.ir

5

Recruitment center

Name of recruitment center

Dastgard Comprehensive Health Service Center

Full name of responsible person

Zahra Sohrabi

Street address

Dastgard Ave., Ghaemieh Blvd., Isfahan

City

Isfahan

Province

Isfahan

Postal code

81746-73461

Phone

+98 31 3780 8847

Email

zsohrabi@nm.mui.ac.ir

6

Recruitment center

Name of recruitment center

Khajo Comprehensive Health Service Center

Full name of responsible person

Zahra Sohrabi

Street address

Khajo Ave., Khajo Blvd., Isfahan

City

Isfahan

Province

Isfahan

Postal code

81746-73461

Phone

+98 31 3273 4010

Email

zsohrabi@nm.mui.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Esfahan University of Medical Sciences

Full name of responsible person

Zahra Sohrabi

Street address

Hezar Jarib Ave

City

Isfahan

Province

Isfahan

Postal code

73461-81746

Phone

+98 31 3792 7546

Email

zsohrabi@nm.mui.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Esfahan University of Medical Sciences

Proportion provided by this source

100

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

Esfahan University of Medical Sciences

Full name of responsible person

Zahra Sohrabi

Position

Assistant Professor

Latest degree

Ph.D.

Other areas of specialty/work

Midwifery

Street address

Hezar Jarib Ave

City

Isfahan

Province

Isfahan

Postal code

73461-81746

Phone

+98 31 3792 7546

Email

zsohrabi@nm.mui.ac.ir

Person responsible for scientific inquiries

Contact**Name of organization / entity**

Esfahan University of Medical Sciences

Full name of responsible person

Zahra Sohrabi

Position

Assistant Professor

Latest degree

Ph.D.

Other areas of specialty/work

Midwifery

Street address

Hezar Jarib Ave

City

Isfahan

Province

Isfahan

Postal code

73461-81746

Phone

+98 31 3792 7546

Email

zsohrabi@nm.mui.ac.ir

Person responsible for updating data

Contact**Name of organization / entity**

Esfahan University of Medical Sciences

Full name of responsible person

Zahra Sohrabi

Position

Assistant Professor

Latest degree

Ph.D.

Other areas of specialty/work

Midwifery

Street address

Hezar Jarib Ave

City

Isfahan

Province

Isfahan

Postal code

73461-81746

Phone

009837927546

Email

zsohrabi@nm.mui.ac.ir

Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available