

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Effect of Multimedia Education on the Childbearing Intention in One-Child Women

Protocol summary

Study aim

Determining the impact of multimedia education on the willingness to have children in single-child women

Design

A clinical trial with a control group, with parallel groups, without blinding, randomized, on 100 women. A sealed envelope was used for randomization.

Settings and conduct

In order to carry out sampling, Maragheh city is divided into 4 regions: North, South, East and West. To prevent data contamination randomly and by lottery method, we assign two regions to the intervention group and two regions to the control group and randomly select one or more health centers or bases from each region. Among eligible women who refer to health centers and bases, sampling is done in a continuous manner and in proportion to the number of referrals.

Participants/Inclusion and exclusion criteria

1. Being Iranian
2. Being married
3. Having at least middle school education
4. Having only one child at least 2 years, 11 months and 29 days old
5. Age range from 15 to 45 years
6. Not wanting to have a second child

Intervention groups

For the Intervention Group, Multimedia Educational Content, Including Videos, Images, and Audio, Will Be Shown in Person for the Participants in the Form of 3, 20-minute Videos during 3 Weeks (once a week). And at the End of Each Session, Questions and Answers and Group Discussions Will Be Held for 40 Minutes to Interact With the Participants. The Control Group Will not Receive Any Training, But at the End of the Study, Like the Intervention Group, the Films Will Be Shown to Them.

Main outcome variables

Childbearing Intention

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20230227057549N1**

Registration date: **2023-04-16, 1402/01/27**

Registration timing: **prospective**

Last update: **2023-04-16, 1402/01/27**

Update count: **0**

Registration date

2023-04-16, 1402/01/27

Registrant information

Name

Nasrin Aghazadeh

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 41 3741 4494

Email address

nasrinaghazade7@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2023-04-30, 1402/02/10

Expected recruitment end date

2023-11-01, 1402/08/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of Multimedia Education on the Childbearing Intention in One-Child Women

Public title

Effect of Multimedia Education on the Childbearing Intention in One-Child Women

Purpose
Education/Guidance

Inclusion/Exclusion criteria
Inclusion criteria:
 Being Iranian Being Married Having at Least a Middle School Education Having Only One Child at Least 2 Years, 11 Months and 29 Days Old Age Range from 15 to 45 Years Reluctance to Have a Second Child
Exclusion criteria:
 Suffering from Physical and Mental Illness That Hinders learning The Existence of Known Fertility Problems in the Husband or Wife Contraindications for Pregnancy Reported by the Woman and the Health center file Attending Similar Training Programs

Age
From **15 years** old to **45 years** old

Gender
Female

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **100**

Randomization (investigator's opinion)
N/A

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 Iran University of Medical Sciences
Street address
 Iran University of Medical Sciences Shahid Hemmat Highway, Tehran
City
 Tehran
Province
 Tehran
Postal code
 1449614535
Approval date
 2023-02-06, 1401/11/17
Ethics committee reference number

IR.IUMS.REC.1401.916

Health conditions studied

1

Description of health condition studied

Childbearing

ICD-10 code

O00-O99

ICD-10 code description

Childbearing, pregnancy

Primary outcomes

1

Description

The score of desire to have children in the Miller questionnaire

Timepoint

The beginning of the study (before the start of the intervention), the end of the intervention and 6 weeks after the end of the intervention

Method of measurement

Miller's Childbearing Desire Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

The multimedia educational content includes videos, images, and audio, which will be prepared in the form of 3 20-minute videos, and at the end of each session, questions and answers and group discussions will be held for 40 minutes to interact with the participants. The content of the sessions, in order from the first to the third session, includes: the first session: information about demographic changes in Iran and the world and new population policies, the second session: the importance and benefits of having children, the consequences of having a single child from the perspective of the family and society, answers to common questions about Having a child, the third session: the harms of having a single child with the approach of psychology and educational sciences, the problems and obstacles related to having a healthy lifestyle before pregnancy will be presented to the participants in person for 3 weeks (once a week).

Category

Lifestyle

2

Description

Control group: There is no intervention for the control group.

Category

N/A

Recruitment centers**1****Recruitment center****Name of recruitment center**

Maragheh University of medical science

Full name of responsible person

Nasrin Aghazadeh

Street address

Maragheh city

City

Maragheh

Province

East Azarbaijan

Postal code

5518854171

Phone

+98 41 3725 6920

Email

nasrinaghazade7@gmail.com

Web page address**Sponsors / Funding sources****1****Sponsor****Name of organization / entity**

Iran University of Medical Sciences

Full name of responsible person

Hossein Kiwani

Street address

Shahid Hemet highway, Region 2, Tehran

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Tehran

Province

Tehran

Postal code

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Fax

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Email

research-m@iums.ac.ir

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Iran 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**

Iran University of Medical Sciences

Full name of responsible person

Leila Amini

Position

Associate professor

Latest degree

Ph.D.

Other areas of specialty/work

Midwifery

Street addressSchool of Nursing & Midwifery Rashid Yasemi St.
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Province

Tehran

Postal code

1996713883

Phone

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

Iran University of Medical Sciences

Full name of responsible person

Leila Amini

Position

Associate professor

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Person responsible for updating data

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Email

Sharing plan

Deidentified Individual Participant Data Set (IPD)

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

There is no further information

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

Not applicable