

Clinical Trial Protocol

Iranian Registry of Clinical Trials

07 Jun 2026

The effect of multimedia virtual education on childbearing preferences and motivations in couples about to get married

Protocol summary

Study aim

This study aimed to determine the effect of multimedia virtual education on childbearing preferences and motivations in couples about to get married.

Design

This study is a semi-experimental study, single-blind with parallel groups (90 couple in each group). Sampling will be continues. Two centers from among the four eligible health centers will be selected. To minimize information contamination between groups, one center assigned to the intervention group and another to the control group.

Settings and conduct

Fazel and Taghiniya comprehensive health center with premarital counseling classes, will be considered for intervention and control group, respectively. Participants in Intervention group will be placed in groups of 9 to 11 people. For four weeks, three offline training sessions will be implement each week on the subject of childbearing in the Bale application. The outcome assessor will be blinded to the allocation of individuals into groups.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Iranian nationality; At least a middle school education; Access to a smartphone and the Bale platform; Access to the internet. Exclusion criteria: History of mental illness (e.g., depression, anxiety); Use of psychiatric medication; Known infertility in either partner; Previous participation in similar programs; Prior marriage.

Intervention groups

Intervention group: Receives multimedia educational content about childbearing, prepared by the Ministry of Health and the researcher, three times per week for four weeks via the Bale platform (offline). Additionally, weekly live Q&A sessions are held. Control group: No receives multimedia educational content about childbearing.

Main outcome variables

Childbearing Motivation; Childbearing Preferences.

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20090810002324N21**

Registration date: **2025-07-07, 1404/04/16**

Registration timing: **prospective**

Last update: **2025-07-07, 1404/04/16**

Update count: **0**

Registration date

2025-07-07, 1404/04/16

Registrant information

Name

Maryam Keshavarz

Name of organization / entity

Iran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 4365 1813

Email address

keshavarz@iums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2025-07-21, 1404/04/30

Expected recruitment end date

2025-10-02, 1404/07/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of multimedia virtual education on childbearing preferences and motivations in couples about to get married

Public title

Multimedia virtual education, childbearing preferences and motivations

Purpose

Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

Iranian nationality At least a middle school education
Access to a smartphone and the Bale platform Access to the internet

Exclusion criteria:

History of mental illness (e.g., depression, anxiety) Use of psychiatric medication Known infertility in either partner Previous participation in similar programs Prior marriage

Age

From **18 years** old to **45 years** old

Gender

Both

Phase

N/A

Groups that have been masked

- Outcome assessor

Sample size

Target sample size: **180**

Randomization (investigator's opinion)

Not randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

The outcome assessor will be blinded to the allocation of individuals into groups.

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.

City

Tehran

Province

Tehran

Postal code

1996713883

Approval date

2024-04-13, 1403/01/25

Ethics committee reference number

IR.IUMS.REC.1403.020

Health conditions studied

1

Description of health condition studied

Childbearing Preferences

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Childbearing Motivation

Timepoint

Before the intervention, immediately after the intervention and four weeks after the intervention.

Method of measurement

Miller's Childbearing Motivation Questionnaire

2

Description

Childbearing Preferences

Timepoint

Before the intervention, immediately after the intervention and four weeks after the intervention.

Method of measurement

Miller's Childbearing Preference Questionnaire.

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Multimedia educational content about childbearing that prepared by the Ministry of Health and the researcher, will be received three times per week for four weeks via the Bale platform (offline). Additionally, weekly live Q&A sessions will be implemented.

Category

Other

2

Description

Control group: This group will not be received

intervention.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Fazel comprehensive health center.

Full name of responsible person

Sanaz Parse

Street address

No. 42, opposite of water organization, Shohadaye water organization St., Hejab St., keshvarz Blvd, Tehran.

City

Tehran

Province

Tehran

Postal code

7559171475

Phone

+98 21 8895 6888

Email

s.parsehmidwife@gmail.com

2

Recruitment center

Name of recruitment center

Taghiniya comprehensive health center

Full name of responsible person

Sanaz Parse

Street address

Shah Parvari St., Imamzadeh Abdullah, Tehran.

City

Tehran

Province

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1349845951

Phone

+98 21 6669 6373

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Iran University of Medical Sciences

Full name of responsible person

Dr. Majid Safa

Street address

Iran University of Medical Sciences, Shahid Hemmat Highway.

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1449614535

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vcm@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

Maryam Keshavarz

Position

Associate Professor

Latest degree

Ph.D.

Other areas of specialty/work

Reproductive Health

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School of Nursing & Midwifery, Rashid Yasemi st., Valiasr St.

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Person responsible for scientific inquiries

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Latest degree

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Person responsible for updating data

Contact

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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

Not applicable

Informed Consent Form

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

Clinical Study Report

Not applicable

Analytic Code

Not applicable

Data Dictionary

Not applicable