

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 Jul 2026

the effectiveness of message model,based on extended parallel process model(EPPM) in air pollution protective behaviors of pregnant women inhabitant

Protocol summary

Summary

The main purpose of the project is to determine the effectiveness of messages educational model,based on extended parallel process model(EPPM) in air pollution protective behaviors among pregnant women inhabitant of Ahvaz, in year 2015. this study is a multi-center randomized intervention study with control group. Inclusion criteria: Singleton pregnancy; Between 12-20 weeks gestational age; Maternal age between 18 and 35 years; Agree to participate in study; Being able to communicate with mother via SMS; Fluent in Persian(Farsi); and having ability to read. Exclusion criteria: Dissatisfaction for Participation in research; Having complicated pregnancy(Such as gestational hypertension; Gestational diabetes; and bleeding in pregnancy); and living area without air pollution registration. The sample size will be 65 samples for each group and 130 samples totally. In this study we Will determine the effectiveness of mobile educational messages model,based on extended parallel process model(EPPM) in air pollution protective behaviors among pregnant women inhabitant of Ahvaz, in year 2015.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016102810804N8**
Registration date: **2017-06-09, 1396/03/19**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-06-09, 1396/03/19

Registrant information

Name

Marzieh Araban

Name of organization / entity

Tarbiat Modares University

Country

Iran (Islamic Republic of)

Phone

تهران

Email address

m.araban@modares.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Ahvaz Jundishapur
University of Medical Sciences

Expected recruitment start date

2015-04-21, 1394/02/01

Expected recruitment end date

2016-03-19, 1394/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

the effectiveness of message model,based on extended parallel process model(EPPM) in air pollution protective behaviors of pregnant women inhabitant

Public title

Impact of SMS educational on protective behaviors of pregnant women

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Singleton pregnancy; Between 12-20

weeks gestational age; Maternal age between 18 and 35 years; Agree to participate in study; Being able to communicate with mother via SMS; Fluent in Persian (Farsi); and having ability to read. Exclusion criteria: Dissatisfaction for Participation in research; Having complicated pregnancy(Such as gestational hypertension; Gestational diabetes; and bleeding in pregnancy); and living area without air pollution registration.

Age

No age limit

Gender

Female

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **130**

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

Ahvaz Jundishapur University of Medical Sciences

Street address

Social Determinants of Health Research Center,
Jondishapour University of Medical Science, Golestan
Road, Ahvaz, Khuzestan, Iran

City

Ahvaz

Postal code

159

Approval date

2016-02-17, 1394/11/28

Ethics committee reference number

SDH9413

Health conditions studied

1

Description of health condition studied

Prevention intervention for pregnant women

ICD-10 code

O94-O99, O

ICD-10 code description

Other obstetric conditions, not elsewhere classified,
Maternal care related to the fetus and amniotic cavity
and possible delivery problems

Primary outcomes

1

Description

Perceived severity

Timepoint

Before and after intervention(3 month Follow up)

Method of measurement

Made questionnaire with Likert scale

2

Description

Perceived susceptibility

Timepoint

Before and after intervention(3 month Follow up)

Method of measurement

Made questionnaire with Likert scale

3

Description

Response Efficacy

Timepoint

Before and after intervention(3 month Follow up)

Method of measurement

Made questionnaire with Likert scale

4

Description

Self efficacy

Timepoint

Before and after intervention(3 month Follow up)

Method of measurement

Made questionnaire with Likert scale

Secondary outcomes

1

Description

Protective behaviors

Timepoint

Before and after intervention(3 month follow up)

Method of measurement

Questionnaire with Likert scale

Intervention groups

1

Description

Intervention group: Receiving SMS via mobile phone and

receiving educational pamphlets.

Category

Prevention

2

Description

Control group: Receiving routine prenatal care.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

All of Healthcare centers, West Ahvaz

Full name of responsible person

Marzieh Araban

Street address

Social Determinants of Health Research Center,
Jondishapour University of Medical Science, Golestan
Road, Ahvaz, Khuzestan, Iran.

City

Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Ahvaz Jundishapur
University of Medical Sciences

Full name of responsible person

Behzad Sharif Makhmalzadeh

Street address

Jundishapur University of Medical Sciences, Golestan
Road, Ahvaz, Khuzestan, Iran

City

Ahvaz

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, Ahvaz Jundishapur
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

Ahvaz Jundishapur University of Medical Sciences

Full name of responsible person

Marzieh Araban

Position

Ph.D/faculty member

Other areas of specialty/work

Street address

School of Health, Jundishapur University of Medical
Sciences, Ahvaz, Iran

City

Ahvaz

Postal code

159

Phone

00

Fax

Email

Araban62@gmail.com

Web page address

**Person responsible for scientific
inquiries**

Contact

Name of organization / entity

Ahvaz Jundishapur University of Medical Sciences

Full name of responsible person

Marzieh Araban

Position

Ph.D

Other areas of specialty/work

Street address

School of Health, Jundishapur University of Medical
Sciences, Ahvaz, Iran

City

Ahvaz

Postal code

159

Phone

00

Fax

+98 61 3373 8269

Email

Araban62@gmail.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Ahvaz Jundishapur University of Medical Sciences

Full name of responsible person

Marzieh Araban

Position

Ph.D

Other areas of specialty/work

Street address

School of Health, Jundishapur University of Medical

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Web page address

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