Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 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

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Person responsible for scientific inquiries

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Full name of responsible person

Marzieh Araban

Position

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Other areas of specialty/work

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Person responsible for updating data

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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