

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

The Effect of Oral Health Education Based on Health Belief Model On Mothers' Health Behaviors and rate of Early Caries In Children 12-36 Months

Protocol summary

Summary

The present study is a clinical trial aiming to determine the effect of education based on Health Belief Model on mothers health behaviors and rate of early childhood caries in a pediatric population in Ahvaz, Iran. The inclusion criteria were: Mothers with children aged 12-36 months old without caries; Giving birth to a healthy baby; Fluent in Persian (Farsi); and satisfaction with participating in the study. The exclusion criteria were as follows: Lack of participation in educational sessions; Immigration of Participants to Distant Areas and lack of access to them; and having a child's underlying illness. The studied population included 104 women with children under age 3 were selected and randomly placed in either the experimental group (n = 52) or the control group (n = 52) who participated in education intervention based on Health Belief Model on prevalence of early childhood caries educational intervention in 2015. Then their performance was measured in terms of healthy behaviors and early dental caries.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017070210804N10**

Registration date: **2017-08-14, 1396/05/23**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-08-14, 1396/05/23

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 of Ahvaz Jundishapur University of Medical Sciences

Expected recruitment start date

2015-07-26, 1394/05/04

Expected recruitment end date

2017-03-19, 1395/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effect of Oral Health Education Based on Health Belief Model On Mothers' Health Behaviors and rate of Early Caries In Children 12-36 Months

Public title

The effect of oral health education on health behaviors

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: Mothers with children aged 12-36 months old without caries; Giving birth to a healthy baby; Fluent in Persian (Farsi); and satisfaction with participating in the study. Exclusion criteria: Lack of

participation in educational sessions; Immigration of Participants to Distant Areas and lack of access to them; and having a child's underlying illness.

Age

No age limit

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **104**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features

Samples were divided into two intervention and control groups based on table of random numbers.

Secondary Ids

empty

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

Ethics committee of Ahvaz Jundishapur University of Medical Sciences

Street address

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

City

Ahvaz

Postal code

GP94045

Approval date

2015-01-13, 1393/10/23

Ethics committee reference number

GP94045

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

Study and care of mothers' health behaviors and the rate of early childhood caries

ICD-10 code

K02.1

ICD-10 code description

Caries of dentine

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

Mothers' Health Behaviors

Timepoint

Before and 6 months after intervention

Method of measurement

Researcher-made Questionnaire

Secondary outcomes**1****Description**

The rate of early childhood caries

Timepoint

Before and 6 months after intervention

Method of measurement

Examination of the teeth by the dentist

Intervention groups**1****Description**

Intervention group: Educational interventions based on Health Belief Model model for 60 minutes

Category

Behavior

2**Description**

Control group: No educational intervention.

Category

N/A

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

Healthcare Center No.2 and 4, 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 of Ahvaz Jundishapur
University of Medical Sciences

Full name of responsible person

Behzad Sharif Makhmalzadeh

Street address

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

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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 of 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

Asistant Professor/Faculty member

Other areas of specialty/work**Street address**

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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