# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

13 Nov 2026

## Design, Implementation and Evaluation of an Educational Intervention Based on Health Belief Model in COVID-19 Preventive Behaviors among teachers

## Protocol summary

**Study aim**

The aim of this study was to determine the effect of educational intervention based on health belief model in adopting Covid-19 preventive behaviors in teachers in Karaj.

**Design**

A clinical trial with control group, parallel, double-blind, randomized, on 140 teachers, was used to randomize the lottery from inside the bag.

**Settings and conduct**

The research will be conducted on teachers in Karaj with the aim of promoting preventive behaviors from Covid-19 based on the Health Belief Model. The training intervention consists of four online training sessions and the design of a special training website for the intervention group. Research participants, researchers, and data analysts do not know the names of the participants. Individuals will be identified by a code and no personal information will be collected from individuals.

**Participants/Inclusion and exclusion criteria**

Teachers working in primary schools in Karaj, having a smart phone and the ability to use it and living in the city of Karaj are the conditions for entering the study. Prerequisite for inclusion in the study is a history of Covid-19.

**Intervention groups**

For one month, the intervention group will receive training materials designed to prevent Covid-19 in the form of posters, infographics, motion graphics, stickers and booklets. The control group will not receive training.

**Main outcome variables**

Raising teachers' awareness about Covid-19 Promoting Perceived Sensitivity, Perceived Intensity, Perceived Benefits, Guidelines for Teacher Action and Self-Efficacy Reducing perceived barriers for teachers in the field of Covid-19

## General information

**Reason for update**

**Acronym**

**IRCT registration information**

IRCT registration number: **IRCT20210416050988N1**
Registration date: **2021-05-24, 1400/03/03**
Registration timing: **registered_while_recruiting**

Last update: **2021-05-24, 1400/03/03**
Update count: **0**

**Registration date**

2021-05-24, 1400/03/03

**Registrant information**

**Name**

Mahsa Omid

**Name of organization / entity**

Tarbiat Modares University,Medical Faculty

**Country**

Iran (Islamic Republic of)

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+98 26 3223 0255

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**Recruitment status**

**Recruitment complete**

**Funding source**

**Expected recruitment start date**

2021-04-26, 1400/02/06

**Expected recruitment end date**

2021-05-26, 1400/03/05

**Actual recruitment start date**

empty

**Actual recruitment end date**

empty

**Trial completion date**

empty

**Scientific title**
Design, Implementation and Evaluation of an Educational Intervention Based on Health Belief Model in COVID-19 Preventive Behaviors among teachers

**Public title**
Investigating the Effect of Educational Intervention Based on Health Belief Model on COVID-19 Preventive Behaviors among teachers

**Purpose**
Education/Guidance

**Inclusion/Exclusion criteria**

**Inclusion criteria:**
Teachers working in Karajprimary schools Having a smart phone and the ability to use it Living in Karaj city

**Exclusion criteria:**
history of Covid-19 infection

**Age**
From **18 years** old to **70 years** old

**Gender**
Both

**Phase**
N/A

**Groups that have been masked**

- Participant
- Investigator
- Outcome assessor
- Data analyser
- Data and Safety Monitoring Board

**Sample size**
Target sample size: **140**

**Randomization (investigator's opinion)**
Randomized

**Randomization description**
We write the names of all education districts of Karaj (4 districts) on paper and put them in a bag. Select the area that comes out of the bag first as the intervention area and the area that comes out the second as the control area. We assign code to all schools in these two areas. We put the relevant codes in a bag and extract 10 codes from each area. The teachers of these 20 schools will be evaluated in terms of inclusion and non-inclusion criteria, and those who meet the required criteria will complete the pre-test.

**Blinding (investigator's opinion)**
Double blinded

**Blinding description**
In this study, the researcher, participants in the research and data analyzers do not know the names of individuals. Participants in the study will be identified based on the code and no personal information will be collected from the individuals in the study.

**Placebo**
Not used

**Assignment**
Parallel

**Other design features**

## Secondary Ids

empty

## Ethics committees

### 1

**Ethics committee**

**Name of ethics committee**
Ethics committee of Tarbiat Modares University

**Street address**
Jalal Al-Ahmad HWY

**City**
Tehran

**Province**
Tehran

**Postal code**
1411713116

**Approval date**
2021-01-24, 1399/11/05

**Ethics committee reference number**
IR.MODARES.REC.1399.182

## Health conditions studied

### 1

**Description of health condition studied**
Coronavirus 2019 (Covid-19)

**ICD-10 code**
u07.1

**ICD-10 code description**
U07.1: COVID-19, Virus identified

## Primary outcomes

### 1

**Description**
The mean score of knowledge about Quid-19 in the questionnaire was achieved

**Timepoint**
At the beginning of the study (before the intervention) and immediately, one and three months after the end of the intervention

**Method of measurement**
researcher-made Corona questionnaire

### 2

**Description**
The mean perceived susceptibility score about Quid-19 in the researcher-made questionnaire

**Timepoint**
At the beginning of the study (before the intervention) and immediately, one and three months after the end of the intervention

**Method of measurement**
researcher-made Corona questionnaire

**3**

**Description**
The mean perceived severity score about Quid-19 in the researcher-made questionnaire
**Timepoint**
At the beginning of the study (before the intervention) and immediately, one and three months after the end of the intervention
**Method of measurement**
researcher-made Corona questionnaire

**4**

**Description**
The mean perceived benefits score about Quid-19 in the researcher-made questionnaire
**Timepoint**
At the beginning of the study (before the intervention) and immediately, one and three months after the end of the intervention
**Method of measurement**
researcher-made Corona questionnaire

**5**

**Description**
The mean perceived barriers score about Quid-19 in the researcher-made questionnaire
**Timepoint**
At the beginning of the study (before the intervention) and immediately, one and three months after the end of the intervention
**Method of measurement**
researcher-made Corona questionnaire

**6**

**Description**
The mean cues to action score about Quid-19 in the researcher-made questionnaire
**Timepoint**
At the beginning of the study (before the intervention) and immediately, one and three months after the end of the intervention
**Method of measurement**
researcher-made Corona questionnaire

**7**

**Description**
The mean self efficacy score about Quid-19 in the researcher-made questionnaire
**Timepoint**
At the beginning of the study (before the intervention) and immediately, one and three months after the end of the intervention
**Method of measurement**
researcher-made Corona questionnaire

**8**

**Description**
The mean score of preventive behaviors of Covid-19 in the researcher-made questionnaire
**Timepoint**
At the beginning of the study (before the intervention) and immediately, one and three months after the end of the intervention
**Method of measurement**
researcher-made Corona questionnaire

## Secondary outcomes

empty

## Intervention groups

**1**

**Description**
Intervention group: The intervention group will be trained in Covid-19 preventive behaviors for one month. These trainings will be in the form of holding online meetings and website-based training and daily training through virtual networks. Educational contents in the form of motion graphics, infographics, posters, booklets and stickers will be provided to the members of the intervention group. In this way, after completing the pre-test, the intervention group becomes a member of a group and little by little content is sent to them on a daily basis. During these four weeks, an online training session is held weekly to transfer and explain the content and group discussion. The address of the designed site is also provided to the intervention group and they can refer to it at any time and place and use its contents.
**Category**
Prevention

**2**

**Description**
Control group: Not providing preventive behavioral training from Covid-19
**Category**
Other

## Recruitment centers

**1**

**Recruitment center**
**Name of recruitment center**
General Department of Education of Alborz Province
**Full name of responsible person**
Salar Ghasemi Madani
**Street address**
Boustan 19 St., Golestan Sq., Azimiyeh , Karaj
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prm@medu.ir

## Sponsors / Funding sources

### 1

**Sponsor**

**Name of organization / entity**

Faculty of Medical Sciences, Tarbiat Modares University

**Full name of responsible person**

Yaqub Fath Elahi Nanne Kran

**Street address**

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**Email**

Res@modares.ac.ir

**Grant name**

**Grant code / Reference number**

**Is the source of funding the same sponsor organization/entity?**

Yes

**Title of funding source**

Faculty of Medical Sciences, Tarbiat Modares University

**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**

Tarbiat Modares University

**Full name of responsible person**

Farkhondeh Amin Shokravi

**Position**

Associate Professor

**Latest degree**

Ph.D.

**Other areas of specialty/work**

Health Promotion

**Street address**

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## Person responsible for scientific inquiries

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## Person responsible for updating data

**Contact**

**Name of organization / entity**

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**Email**

aminsh_f@modares.ac.ir

## Sharing plan

**Deidentified Individual Participant Data Set (IPD)**

Yes - There is a plan to make this available

**Study Protocol**

Yes - There is a plan to make this available

**Statistical Analysis Plan**

Yes - There is a plan to make this available

**Informed Consent Form**

Yes - There is a plan to make this available

**Clinical Study Report**

Yes - There is a plan to make this available

**Analytic Code**

Yes - There is a plan to make this available

**Data Dictionary**

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

**Title and more details about the data/document**

Data on major outcomes can be shared.

**When the data will become available and for how long**

Access period starts 6 months after the results are published

**To whom data/document is available**

The data will be available only to researchers working in academic and scientific institutions

**Under which criteria data/document could be used**

Frequent measurement analysis to evaluate the duration of training 6 months after the last intervention

**From where data/document is obtainable**

Via the email address of Dr. Farkhondeh Amin Shokravi aminsh_f@modares.ac.ir

**What processes are involved for a request to access data/document**

One week after sending the e-mail, the applicant will respond to the e-mail address of Dr. Farkhondeh Amin Shokravi.

**Comments**