

Clinical Trial Protocol

Iranian Registry of Clinical Trials

23 Feb 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)

Phone

+98 26 3223 0255

Email address

m.omid@modares.ac.ir

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

City

Karaj

Province

Alborz

Postal code

100000264

Phone

+98 26 3252 2728

Email

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

2nd floor, Central bldg., Jalal Al-Ahmad HWY., Tarbiat Modares University

City

Tehran

Province

Tehran

Postal code

1411713116

Phone

+98 21 8288 2009

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

Faculty of Medical Sciences, Tarbiat Modares University, Jalal Al-Ahmad HWY., Tehran

City

Tehran

Province

Tehran

Postal code

1411713116

Phone

+98 21 8288 4506

Email

aminsh_f@modares.ac.ir

Person responsible for scientific 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

Faculty of Medical Sciences, Tarbiat Modares University, Jalal Al-Ahmad HWY., Tehran

City

Tehran

Province

Tehran

Postal code

1411713116

Phone

+98 21 8288 4506

Email

aminsh_f@modares.ac.ir

Person responsible for updating data

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

Faculty of Medical Sciences, Tarbiat Modares University, Jalal Al-Ahmad HWY., Tehran

City

Tehran

Province

Tehran

Postal code

1411713116

Phone

+98 21 8288 4506

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