

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

27 Jul 2026

### The Effect Of The Educational Intervention Based On The Health Belief Model On Air Pollution Reducing Behaviors Among Drivers In Tehran.

#### Protocol summary

##### Study aim

Determining the Impact of an Educational Intervention Based on the Health Belief Model on Air Pollution-Reducing Behaviors Among Drivers in Tehran.

##### Design

After Selecting 80 Drivers From Among Those Who Scored The Lowest In Performance During The Descriptive-Analytical Phase (Pre-Test), A Simple Random Sampling Method Is Used To Randomly Allocate Them Into Intervention And Control Groups. The Developed Educational Program Is Delivered To The Intervention Group, While The Control Group Receives No Intervention. Post-Tests Are Conducted At Three Different Time Points: Immediately After The Intervention, One Month Post-Intervention, And Three Months Post-Intervention, For Both The Intervention And Control Groups.

##### Settings and conduct

The Study Is Conducted Among Active Taxi Drivers In Tehran, Who Are Randomly Assigned Into Two Groups: Intervention And Control. The Designed Educational Program Is Delivered To The Intervention Group, While The Control Group Receives No Intervention. Post-Tests Are Administered At Three Different Time Points: Immediately After The Intervention, One Month Post-Intervention, And Three Months Post-Intervention, For Both The Intervention And Control Groups.

##### Participants/Inclusion and exclusion criteria

Inclusion Criteria: - Reading And Writing Skills - Having At Least One Year Of Driving Experience As A Taxi Driver - Staying In Tehran - Informed Consent  
Exclusion Criteria: - Lack Of Interest In Continuing To Participate In Research - Absence In One Of The Training Sessions - Change Of Residence

##### Intervention groups

Taxi Drivers in Tehran City, Such As Taxis

##### Main outcome variables

Driving Behavior

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20241002063242N1**

Registration date: **2024-11-29, 1403/09/09**

Registration timing: **prospective**

Last update: **2024-11-29, 1403/09/09**

Update count: **0**

##### Registration date

2024-11-29, 1403/09/09

##### Registrant information

##### Name

Mohammadreza Mokhtari

##### Name of organization / entity

Faculty of Medical Sciences, Tarbiat Modares University

##### Country

Iran (Islamic Republic of)

##### Phone

+98 21 6694 5142

##### Email address

mokhtari.m@modares.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2024-11-30, 1403/09/10

##### Expected recruitment end date

2025-01-19, 1403/10/30

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

**Scientific title**  
The Effect Of The Educational Intervention Based On The Health Belief Model On Air Pollution Reducing Behaviors Among Drivers In Tehran.

**Public title**  
Evaluation Of Air Pollution-Reducing Behaviors Among Drivers

**Purpose**  
Education/Guidance

**Inclusion/Exclusion criteria**  
**Inclusion criteria:**  
Having At Least One Year Of Driving Experience As a Driver. Residence In Tehran Informed Consent  
**Exclusion criteria:**  
Lack of Interest In Continuing Participation In The Study  
Absence From Any Of The Training Sessions Change Of Residence

**Age**  
From **18 years** old to **75 years** old

**Gender**  
Male

**Phase**  
N/A

**Groups that have been masked**

- Participant
- Outcome assessor

**Sample size**  
Target sample size: **80**

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

**Randomization description**  
The Study Population Consists Of Active Taxi Drivers In Tehran With At Least One Year Of Driving Experience. A Simple Random Sampling Method Is Employed To Select 385 Drivers From A Comprehensive List Of Eligible Drivers Provided By The Tehran Taxi Organization. This List Serves As The Sampling Frame, And A Random Number Table Or Random Number Generator Is Used For Participant Selection. This Random Sampling Ensures That Each Driver Has An Equal Opportunity To Be Included In The Sample, Thereby Minimizing Selection Bias. Following Participant Selection, A Pre-Test Is Conducted To Evaluate Air Pollution-Reducing Behaviors Among All 385 Drivers. Based On The Pre-Test Results, Approximately 80 Drivers With The Lowest Scores In Air Pollution-Reducing Behaviors Are Identified And Selected. These 80 Drivers Are Then Randomly Assigned To Either The Intervention Or Control Groups. A Random Number Table Or Generator Is Utilized For The Random Allocation Of Participants To The Groups, Ensuring Equitable And Unbiased Group Assignment.

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

**Blinding description**  
Although, During The Selection Phase Of Participants For The Intervention And Control Groups, The Researcher Remains Unaware Of The Group Allocation Of The Participants Until The Final Stage (I.E., The Assignment Of Participant Codes), Blinding Is Practically Impossible During The Intervention Phase Due To The Nature Of The

Educational Program. However, In The Data Analysis Phase, Blinding Is Applied To The Data Analyst To Prevent Any Potential Bias. Additionally, During The Data Collection Phase, The Evaluators Collecting The Data Are Fully Blinded To The Group Status Of The Participants To Ensure That Assessments Are Conducted Without Any Influence From The Participants' Group Allocation.

**Placebo**  
Not used

**Assignment**  
Single

**Other design features**

**Secondary Ids**  
empty

**Ethics committees**

1

**Ethics committee**

**Name of ethics committee**  
Faculty of Medical Sciences, Tarbiat Modares University

**Street address**  
No. 325, West Fatemi Street, Next to Pakistan Embassy, Tehran, Iran

**City**  
Tehran

**Province**  
Tehran

**Postal code**  
1411816597

**Approval date**  
2024-09-29, 1403/07/08

**Ethics committee reference number**  
IR.MODARES.REC.1403.086

**Health conditions studied**

1

**Description of health condition studied**  
Air-polluting Behaviors Caused By Drivers.

**ICD-10 code**

**ICD-10 code description**

**Primary outcomes**

1

**Description**  
Behavior Of Drivers

**Timepoint**  
One Month And Three Months After The Intervention.

**Method of measurement**  
Driving Performance Questionnaire

**Secondary outcomes**  
empty

## Intervention groups

### 1

#### Description

Intervention Group: An Intervention Group That Preferably Receives The Training Sessions In Person.

#### Category

Behavior

### 2

#### Description

Control Group: Does Not Receive Any Training Or Intervention.

#### Category

Behavior

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Taxi Organizations And internet taxis in Tehran

##### Full name of responsible person

Mohammad Morshidi

##### Street address

No. 265, Sazman Ab Street, Near Ayatollah Kashani Boulevard, Ashrafi Highway, Tehran, Iran

##### City

Tehran

##### Province

Tehran

##### Postal code

5756134115

##### Phone

+98 21 9661 2700

##### Email

mohammad.morshedi@snapp.cab

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Faculty of Medical Sciences, Tarbiat Modares University

##### Full name of responsible person

Mohammad Javan

##### Street address

Jalal Al-Ahmad Highway, Nasr Bridge, Tarbiat Modares University

##### City

Tehran

##### Province

Tehran

##### Postal code

14115111

##### Phone

+98 21 8288 2009

#### Email

Res@modares.ac.ir

#### Web page address

#### 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

Faculty of Medical Sciences, Tarbiat Modares University

##### Full name of responsible person

Mohammad Reza Mokhtari Qaterchi

##### Position

Master's Student

##### Latest degree

Bachelor

##### Other areas of specialty/work

Health Promotion

##### Street address

No. 325, West Fatemi Street, Next to Pakistan Embassy, Tehran, Iran

##### City

Tehran

##### Province

Tehran

##### Postal code

1411816597

##### Phone

009821669133

##### Email

mokhtari.m@modares.ac.ir

## Person responsible for scientific inquiries

#### Contact

##### Name of organization / entity

Faculty of Medical Sciences, Tarbiat Modares University

##### Full name of responsible person

Dr. Farkhunde Amin Shokravi

##### Position

Full Professor

##### Latest degree

Ph.D.

**Other areas of specialty/work**

Health Promotion

**Street address**

Jalal Al-Ahmad Highway, Nasr Bridge, Faculty of  
Medical Sciences, Tarbiat Modares University,  
Department of Health Education.

**City**

Tehran

**Province**

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**Postal code**

1411713116

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+98 21 8288 4506

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aminsh\_f@modares.ac.ir

**Person responsible for updating data**

**Contact**

**Name of organization / entity**

Faculty of Medical Sciences, Tarbiat Modares  
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**Full name of responsible person**

Mohammadreza Mokhtari Qaterchi

**Position**

Master's Student

**Latest degree**

Bachelor

**Other areas of specialty/work**

Health Promotion

**Street address**

No. 325, West Fatemi Street, Next to Pakistan  
Embassy, Tehran, Iran

**City**

Tehran

**Province**

Tehran

**Postal code**

1411816597

**Phone**

009866919133

**Email**

mokhtari.m@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**

Yes - There is a plan to make this available

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

All Data Can Potentially Be Shared After Being De-  
Identified.

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

The Access Period Begins 8 Months After The Publication  
Of The Results.

**To whom data/document is available**

All Individuals In The Community Will Have Access To  
The Journal Where The Article Is Published.

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

Mentor

**From where data/document is obtainable**

Dr. Farkhunde Amin Shokravi. Email:  
aminsh\_f@modares.ac.ir

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

It Takes Approximately One Week To One Month From  
The Corresponding Author To Coordinate.

**Comments**