

Clinical Trial Protocol

Iranian Registry of Clinical Trials

11 Sep 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

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Phone

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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

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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

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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Full name of responsible person

Dr. Farkhunde Amin Shokravi

Position

Full Professor

Latest degree

Ph.D.

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Person responsible for updating data

Contact

Name of organization / entity

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Position

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Latest degree

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Other areas of specialty/work

Health Promotion

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Tehran

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Email

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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