Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 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
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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
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Postal code
5756134115
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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Postal code
14115111
Phone
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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
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Person responsible for scientific inquiries

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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

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Other areas of specialty/work
Health Promotion

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Person responsible for updating data

Contact

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Position
Master's Student

Latest degree
Bachelor

Other areas of specialty/work
Health Promotion

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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