

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Designing and evaluating the effect of educational intervention based on PRECEDE-PROCEED model on anger management and safe driving performance of city taxi drivers

Protocol summary

Study aim

Designing and evaluating the effect of educational intervention based on the PRECEDE-PROCEED model on anger management and safe driving performance of city taxi drivers

Design

A clinical trial with a control group, with parallel, one-blind, randomized groups, will be conducted on 117 urban taxi drivers in Dezful, Andimeshk, and Gotvand. Systematic random sampling will be used to select the samples.

Settings and conduct

The study will be performed in three phases before the intervention, immediately, and two months after the intervention in three groups (two case groups and one control group).

Participants/Inclusion and exclusion criteria

Employed in urban taxi driving job with a taxi driver registered in the taxi organization, Dezful, Andimeshk or Gotvand city, having at least one year of taxi driver experience, willingness to participate in the study, no mental illness affecting anger control

Intervention groups

Three groups of participants will include the traditional intervention group (distribution of pamphlets and holding training classes on case variables). The intervention group will be through the application (distribution of mobile application as an intervention method). Also in cyberspace, a weekly text message will be sent to both groups regarding the use of the application or reading the pamphlet. Training sessions include 6 sessions, each session will be 60 minutes, and the application information will be completely consistent with these sessions and their contents.

Main outcome variables

Ecological assessment variables (predisposing, enabling, and reinforcing factors), driving attitude, driving anger,

driving behavior, driving performance

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20111017007816N19**

Registration date: **2022-05-11, 1401/02/21**

Registration timing: **registered_while_recruiting**

Last update: **2022-05-11, 1401/02/21**

Update count: **0**

Registration date

2022-05-11, 1401/02/21

Registrant information

Name

Mahin Nazari

Name of organization / entity

School of health

Country

Iran (Islamic Republic of)

Phone

+98 71 1725 1001

Email address

manazari@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2022-03-06, 1400/12/15

Expected recruitment end date

2022-05-15, 1401/02/25

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date
empty

Scientific title
Designing and evaluating the effect of educational intervention based on PRECEDE-PROCEED model on anger management and safe driving performance of city taxi drivers

Public title
Designing and evaluating the effect of educational intervention based on PRECEDE-PROCEED model on anger management and safe driving performance of city taxi drivers

Purpose
Education/Guidance

Inclusion/Exclusion criteria
Inclusion criteria:
Being employed as a city driver with taxi driver code registered in the taxi organization of Dezful, Andimeshk or Gotvand city Have at least one year of taxi driver experience Willingness to participate in the study No mental illness affecting anger control
Exclusion criteria:
eing employed as a city driver with taxi driver code registered in the taxi organization of Dezful, Andimeshk or Gotvand city Have at least one year of taxi driver experience Willingness to participate in the study No mental illness affecting anger control

Age
From **18 years** old to **65 years** old

Gender
Both

Phase
N/A

Groups that have been masked

- Outcome assessor
- Data analyser

Sample size
Target sample size: **117**

Randomization (investigator's opinion)
Randomized

Randomization description
In this research, the mixed sampling method is used. As the cities of Dezful, Andimeshk and Gotvand are each considered as a cluster. Then, among the eligible people to enter the study in each city, 37 people in each group will be randomly selected and entered into the study. First, the list of qualified taxi drivers is obtained from the taxi organizations of each city. Then the first person is selected by simple random selection using a random table and other samples in each city based on the required sample size will continue in a systematic random sampling method until the required sample size is sampled. Obviously, the number of people in all three groups will be equal. In the final stage, two cities will be randomly selected as the case group, and the third group will be selected as the control group.

Blinding (investigator's opinion)
Single blinded

Blinding description
Although in the stage of selecting cities for the case and control group, until the last moment, the researcher, selector of taxi codes, etc. was not aware of the case or control of the clusters, but in the intervention stages, due to the nature of training, blinding was practically impossible. But in the data analysis stage, blinding was done for the analyst. Also, at the stage of data collection by the evaluator, the evaluators were completely blinded and did not know in which group they were collecting data.

Placebo
Not used

Assignment
Parallel

Other design features
In this study, there are three groups and the evaluation of behavior is done by self-report by answering the questions of the questionnaire by the participants. Consistent with self-report responses, the evaluation of observed behavior (performance) is done by the evaluator in a direct and intangible way so that both the evaluator and the evaluated are unaware of the subject, but in the case of other variables, this blinding is practically impossible. .

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Shiraz University Of Medical Sciences

Street address

Shiraz University of Medical Sciences, Zand St.

City

Shiraz

Province

Fars

Postal code

7153675541

Approval date

2020-02-02, 1398/11/13

Ethics committee reference number

IR.SUMS.REC.1398.1283

Health conditions studied

1

Description of health condition studied

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Ecological assessment (predisposing, enabling and strengthening factors)

Timepoint

Before, immediately and two months after the intervention

Method of measurement

Ecological assessment questionnaire

2

Description

Driving attitude

Timepoint

Before, immediately and two months after the intervention

Method of measurement

Driving Attitude Questionnaire

3

Description

Driving anger

Timepoint

Before, immediately and two months after the intervention

Method of measurement

Driving Anger Scale, Short Form (DAS)

4

Description

Driving behavior

Timepoint

Before, immediately and two months after the intervention

Method of measurement

Driving Behavior Questionnaire

5

Description

Driving performance

Timepoint

Before and two months after the intervention

Method of measurement

Wiener Fahrprobe technique= WF

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Intervention group: Two intervention groups include: traditional intervention group (distribution of pamphlets and holding training classes) and training group through mobile application. Also in

cyberspace, a weekly text message will be sent to both groups regarding the use of the application or reading the pamphlet.

Category

Behavior

2

Description

Control group: No intervention or training was provided for the control group.

Category

Behavior

Recruitment centers

1

Recruitment center

Name of recruitment center

Dezful Taxi Organization

Full name of responsible person

Mohammad Saffaripour

Street address

NO416- Bus Street-Post Street-dezful city

City

Dezful

Province

Khouzestan

Postal code

6461635519

Phone

+98 61 4242 0511

Email

dezful@imo.org.ir

2

Recruitment center

Name of recruitment center

Andimeshk Taxi Organization

Full name of responsible person

Mashallah Shakiba

Street address

NO 810-Andimeshk Passenger Terminal-Andimeshk Highway to Ahvaz - andimeshk city

City

andimeshk

Province

Khouzestan

Postal code

6481753781

Phone

+98 51 0426 4061

Email

andimashk@imo.org.ir

3

Recruitment center

Name of recruitment center

Gotvand Taxi Organization

Full name of responsible person

Ali Asadi
Street address
No 27- beside of ghaisar aminpour shine- Municipality
Boulevard- Gotvand city
City
Gotvand
Province
Khouzestan
Postal code
6451653393
Phone
+98 61 3622 8310
Email
shahrdarigotvand@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Shiraz University of Medical Sciences
Full name of responsible person
Mahin Nazari
Street address
Razi St. 10 - Razi Boulevard - Zahra Alley - School of
Health - Shiraz University of Medical Sciences
City
Shiraz
Province
Fars
Postal code
7153675541
Phone
+98 71 3725 1005
Email
manazari@sums.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Shiraz University of Medical Sciences

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
Shiraz University of Medical Sciences
Full name of responsible person

Kumars Eisapareh
Position
PhD student
Latest degree
Master
Other areas of specialty/work
Health Promotion
Street address
Masoud Bakhtiari street-Ispareh village - Sardasht
section - Dezful city
City
dezful
Province
Khouzestan
Postal code
6469113681
Phone
+98 61 4235 7335
Email
eqmars@gmail.com

Person responsible for scientific inquiries

Contact

Name of organization / entity
Shiraz University of Medical Sciences
Full name of responsible person
Dr. Mahin Nazari
Position
Associate Professor
Latest degree
Ph.D.
Other areas of specialty/work
Health Promotion
Street address
Razi St. 10 - Razi Boulevard - Zahra Alley - School of
Health - Department of Health Promotion
City
Shiraz
Province
Fars
Postal code
7153675541
Phone
+98 71 3725 1005
Email
manazari@sums.ac.ir

Person responsible for updating data

Contact

Name of organization / entity
Shiraz University of Medical Sciences
Full name of responsible person
Kumars Eisapareh
Position
PhD student
Latest degree
Master
Other areas of specialty/work
Health Promotion

Street address

Masoud Bakhtiari street- Ispareh village - Sardasht section - dezful city

City

dezful

Province

Khouzestan

Postal code

6469113681

Phone

+98 61 4235 7335

Email

eqmars@gmail.com

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

The total potential data can be shared after unidentifiable people

When the data will become available and for how long

Start the access period 6 months after printing the results

To whom data/document is available

The total number of people referring to the magazine in which the article was published

Under which criteria data/document could be used

Supervisor

From where data/document is obtainable

Dr. Mahin Nazari Email manazari@sums.ac.ir

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

The coordinators author takes about 1 week to 1 month

Comments