

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

17 Jun 2026

### Designing, implementation and evaluation of educational intervention based on Intervention Mapping approach on promoting capabilities of community health workers (Behvarz) related to health education and communication

#### Protocol summary

##### Study aim

Determination of the effect of educational intervention based on Mapping approach on capabilities of community health workers related to health education and communication in Torbat Heydariyeh University Of Medical Science

##### Design

Randomized control trial with control group, with parallel group, one blind and non-random

##### Settings and conduct

This study will be carried out among the health care providers of Torbat-e-Heidarieh University of Medical Sciences, so that the intervention of health education will be designed and implemented based on the design of the mapping approach. This study will use the intervention mapping approach, so the number of training sessions and educational methods are determined during the design of the study.

##### Participants/Inclusion and exclusion criteria

Inclusion Criteria: Being employed in health services (home health) having informed consent to participate in the study Exclusion Criteria: Lack of satisfaction to continue to study, lack of willingness to take part in the final exam, more than two absentee sessions in training sessions, those who have not left their service for less than 8 months, and those who do not have access to the Internet at their place of work , The use of long-term leave such as maternity leave

##### Intervention groups

The intervention group includes community health workers in Torbat Heidariyeh which receive educational intervention. The control group consisted of community health workers in Zaweh and Mahvolat counties that do not receive educational intervention.

##### Main outcome variables

Educational behavior of health care providers

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20181006041245N1**

Registration date: **2018-11-05, 1397/08/14**

Registration timing: **prospective**

Last update: **2018-11-05, 1397/08/14**

Update count: **0**

##### Registration date

2018-11-05, 1397/08/14

##### Registrant information

##### Name

Hashem Heshmati

##### Name of organization / entity

##### Country

Iran (Islamic Republic of)

##### Phone

+98 51 5224 9312

##### Email address

heshmatih1@thums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2018-12-22, 1397/10/01

##### Expected recruitment end date

2018-12-22, 1397/10/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

### Scientific title

Designing, implementation and evaluation of educational intervention based on Intervention Mapping approach on promoting capabilities of community health workers (Behvarz) related to health education and communication

### Public title

The effect of educational intervention based on intervention mapping on educational capabilities of community health workers (Behvarzs)

### Purpose

Education/Guidance

### Inclusion/Exclusion criteria

#### Inclusion criteria:

working as health provider (Khane Behdasht) Informed consent to participate in the study

#### Exclusion criteria:

no consent to continue to study Unwilling to participate in the final exam More than two absentee at training sessions Community health workers that have not been in service for less than 8 months Those who do not have access to the Internet at their place of work Use of long-term leave such as maternity leave

### Age

No age limit

### Gender

Both

### Phase

N/A

### Groups that have been masked

- Data analyser

### Sample size

Target sample size: **136**

### Randomization (investigator's opinion)

Not randomized

### Randomization description

### Blinding (investigator's opinion)

Single blinded

### Blinding description

The statistical analyzer does not know which group is the intervention group and which group is the control group.

### Placebo

Not used

### Assignment

Other

### Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Ethics committee of Tehran University OF Medical Science

### Street address

School of health, Tehran University of Medical science, Pour Sina Ave, Keshavarz Blvd,

### City

Tehran

### Province

Tehran

### Postal code

1417613151

### Approval date

2018-06-13, 1397/03/23

### Ethics committee reference number

IR.TUMS.SPH.REC.1397.030 کد فوق در سایت 97/8/4، در تاریخ 97/8/4 مربوطه جستجو شد، گواهی موجود بود

## Health conditions studied

### 1

#### Description of health condition studied

##### ICD-10 code

##### ICD-10 code description

## Primary outcomes

### 1

#### Description

Behvarz Educational Behavior Score in the Questionnaire

#### Timepoint

In this study, Behvarzes' educational behavior was measured before intervention and six months after intervention.

#### Method of measurement

A questionnaire that will developed by the researchers during the study.

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

Intervention group: In the intervention group, training sessions on health education and communication will be held for community health workers.

#### Category

Behavior

### 2

#### Description

Control group: No action is taken in the control group.

#### Category

N/A

## Recruitment centers

## 1

### Recruitment center

**Name of recruitment center**

Torbat Heydariyeh University of Medical Science,  
behvarzi school

**Full name of responsible person**

Hashem Heshmati

**Street address**

Molki Road, Baharzi School

**City**

Torbat Heydariyeh

**Province**

Razavi Khorasan

**Postal code**

9513793655

**Phone**

+98 51 5222 6110

**Email**

heshmatih1@thums.ac.ir

### Sponsors / Funding sources

## 1

### Sponsor

**Name of organization / entity**

Tehran University of Medical Sciences

**Full name of responsible person**

Mohammad Ali Sahraian

**Street address**

Research and Technology Dept, 6th floor, Central  
Organization of the University, Ghods St, Keshavarz  
Blvd

**City**

Tehran

**Province**

Tehran

**Postal code**

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**Phone**

+98 21 8163 3698

**Email**

msahrai@sina.tums.ac.ir

**Grant name****Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

**Title of funding source**

Tehran 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**

Tehran University of Medical Sciences

**Full name of responsible person**

Hashem Heshmati

**Position**

Instructor

**Latest degree**

Master

**Other areas of specialty/work**

Health Promotion

**Street address**

school of health, Pour Sina Ave, Keshavarz Blvd

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**Province**

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heshmatih1@thums.ac.ir

### Person responsible for scientific inquiries

**Contact****Name of organization / entity**

Tehran University of Medical Sciences

**Full name of responsible person**

Hashem Heshmati

**Position**

consultant

**Latest degree**

Master

**Other areas of specialty/work**

Health Promotion

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### Person responsible for updating data

**Contact****Name of organization / entity**

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**Full name of responsible person**

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Consultant  
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**Postal code**  
1417613151  
**Phone**  
+98 51 5224 9312  
**Fax**  
**Email**  
heshmatih1@thums.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**

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 publishing the results

### **To whom data/document is available**

Data will only be available to researchers in academia.

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

It is permitted to use data for all scientific works within the framework of ethics in research.

### **From where data/document is obtainable**

Hashem Heshmati cell phone: 00989134512051

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

The applicant must submit to the Tehran University of Medical Sciences, by official correspondence (official letter from the university or scientific research institute), which will be provided to the applicant as soon as possible after confirmation of authenticity.

### **Comments**