

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

10 Jun 2026

### The effect of SMS based- education intervention based Protection Motivation Theory variables in increasing preventive behaviors of skin cancer among seafarers.

#### Protocol summary

##### Summary

Objective: To determine the effect a SMS based education intervention based on Protection Motivation Theory (PMT) variables in increasing preventive behaviors of skin cancer among seafarers. Design and setting: This quasi-experimental study will be conducted in Ganaveh Port, Ganaveh, Iran in 2016. Information (data) will be collected by a questionnaire for assessing demographic factors, PMT variables and preventive behaviors of skin cancer before and one month after the conducted intervention via SMS. Participants: The study sample including 132 seafarers with no history of skin cancer will be assigned either to the intervention (n=66) or the control groups (n=66). Intervention: According to pre-test results, messages will be designed and pretested. Developed messages will be send to seafarers in the intervention group. Main outcome measures: Data will be analysed for determine the effectiveness of developed intervention in adopting preventive behaviors of skin cancer among seafarers.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201604257132N14**

Registration date: **2016-07-16, 1395/04/26**

Registration timing: **prospective**

Last update:

Update count: **0**

##### Registration date

2016-07-16, 1395/04/26

##### Registrant information

##### Name

Tahereh Dehdari

##### Name of organization / entity

Iran University of Medical Sciences and Health Services

##### Country

Iran (Islamic Republic of)

##### Phone

+98 2188779118263

##### Email address

t-dehdari@tums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Vice chancellor for research, Iran University of Medical Sciences

##### Expected recruitment start date

2016-08-22, 1395/06/01

##### Expected recruitment end date

2017-02-19, 1395/12/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The effect of SMS based- education intervention based Protection Motivation Theory variables in increasing preventive behaviors of skin cancer among seafarers.

##### Public title

The effect of SMS based- education intervention in increasing preventive behaviors of skin cancer among seafarers.

##### Purpose

Prevention

##### Inclusion/Exclusion criteria

Main inclusion criteria: No history of skin cancer. Main

exclusion criteria: There is no exclusion criteria.

### Age

No age limit

### Gender

Male

### Phase

2-3

### Groups that have been masked

No information

### Sample size

Target sample size: 132

### Randomization (investigator's opinion)

Randomized

### Randomization description

### Blinding (investigator's opinion)

Not blinded

### Blinding description

### Placebo

Not used

### Assignment

Parallel

### Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Ethics Committee of Iran University of Medical Sciences and Health Services

##### Street address

Iran University of Medical Sciences, Shahid Hemmat Highway

##### City

Tehran

##### Postal code

##### Approval date

2016-05-29, 1395/03/09

##### Ethics committee reference number

IR.IUMS.REC.1395.28113

## Health conditions studied

### 1

#### Description of health condition studied

Skin cancer

#### ICD-10 code

C44.9

#### ICD-10 code description

Malignant neoplasm of skin, unspecified

## Primary outcomes

### 1

#### Description

Preventive behaviors of skin cancer

#### Timepoint

update One month after the intervention

#### Method of measurement

Developed questionnaire by Bonyadi et al. for assessing protection motivation theory variables in terms of skin cancer

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

Control group: No intervention

#### Category

Prevention

### 2

#### Description

Intervention group: Performing a SMS-based educational intervention. Approximately 20-30 messages based Protection Motivation Theory will be designed and sent to participants in the intervention group during 4 weeks.

#### Category

Prevention

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Genaveh Port

##### Full name of responsible person

Jamshed Mosaei

##### Street address

Genaveh Port, Ghadir Khom Blvd

##### City

Genaveh

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Vice Chancellor for Research, Iran University of Medical Sciences and Health Services

##### Full name of responsible person

Dr. Morteza Naserbakht

##### Street address

Iran University of Medical Sciences, Shahid Hemmat Highway

##### City

Tehran

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Vice Chancellor for Research, Iran University of Medical Sciences and Health Services

**Proportion provided by this source**

100

**Public or private sector**

*empty*

**Domestic or foreign origin**

*empty*

**Category of foreign source of funding**

*empty*

**Country of origin**

**Type of organization providing the funding**

*empty*

**Person responsible for general inquiries**

**Contact**

**Name of organization / entity**

Iran University of Medical Sciences and Health Services

**Full name of responsible person**

Tahereh Dehdari

**Position**

Ph.D in Health Education

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Esmat Heydari

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Ph.D Candidate in Health Education & Health Promotion

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**Email**

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**Web page address**

**Sharing plan**

**Deidentified Individual Participant Data Set (IPD)**

*empty*

**Study Protocol**

*empty*

**Statistical Analysis Plan**

*empty*

**Informed Consent Form**

*empty*

**Clinical Study Report**

*empty*

**Analytic Code**

*empty*

**Data Dictionary**

*empty*