

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Sep 2026

Evaluation The effect of education with virtual social network on knowledge and attitude of emergency nurses regarding disaster preparedness

Protocol summary

Study aim

Determining the Impact of Disaster Readiness Education on the Knowledge and Attitude of Emergency Nurses in Educational Hospitals Affiliated to Iran University of Medical Sciences

Design

In this study, both experimental and control groups contain 30 emergency nurses working in hospitals affiliated to Iran University of Medical Sciences. The available method and non random allocation of samples are used. At first, the hospitals will be assigned to the control or intervention group, then nurses working in these hospitals will enter the study if they meet the entry requirements. The intervention group will be trained about disaster preparedness through virtual network.

Settings and conduct

This is a quasi-experimental study with pre and post-test and control group. The research population is nurses working in an emergency department of educational hospitals affiliated to Iran University of Medical Sciences. These educational hospitals are Hazrat Rasool Medical-Educational Complex and Hafte-Tir Teaching Hospital of Tehran. After estimating the required sample size, a hospital is considered as a test group and other hospital is considered as a control group, from the Rasoul-e-Akram and Hafte-Tir Hospitals. Emergency nurses with entry requirements are invited to study. At first and before intervention, knowledge and attitude of nurses in two groups of test and control are measured using a questionnaire. In the test group, after forming a group in the social network of Telegrams, the contents of the disaster preparedness in prevailing writings and photographs and films Arises. The duration of the training is sent in 34 sessions for the test group in the mentioned formats. Every day a meeting will be considered. There will be regular training by the Hospital Crisis Committee during the study. However, at the end

of the intervention, the provided information is also given to the control group. The post-test is taken and the changes made in the knowledge and attitude of the two groups are compared.

Participants/Inclusion and exclusion criteria

Inclusion criteria: emergency nurses employed at educational hospitals affiliated with Iran University of Medical Sciences; Having at least a bachelor's degree in nursing and a minimum work experience of 6 months in the emergency department, Have a smart phone or tablet, and any other digital device with the ability to install the social network Telegram program. Exclusion criteria: Unwillingness to participate in the study; Not having smart tools to access the Telegram social-virtual network.

Intervention groups

The intervention groups consist of nurses working in emergency department of hospitals affiliated with Iran University of Medical Sciences. These persons are divided into two groups of test and control with 30 members in each group. In the test group, disaster training is conducted through the Telegram social network for 34 one-day sessions. In the control group, the usual hospital disaster committee training is conducted.

Main outcome variables

Knowledge about disaster preparedness Attitude about disaster preparedness

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20171011036720N1**

Registration date: **2018-02-05, 1396/11/16**

Registration timing: **retrospective**

Last update: **2018-02-05, 1396/11/16**

Update count: **0**

Registration date
2018-02-05, 1396/11/16

Registrant information

Name
Name of organization / entity
Country
Iran (Islamic Republic of)
Phone
+98 912 017 5804
Email address
javadi.n@tak.iums.ac.ir

Recruitment status
Recruitment complete
Funding source

Expected recruitment start date
2018-01-21, 1396/11/01
Expected recruitment end date
2018-01-24, 1396/11/04
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title
Evaluation The effect of education with virtual social network on knowledge and attitude of emergency nurses regarding disaster preparedness

Public title
The effect of education with virtual social network on knowledge and attitude of emergency nurses regarding disaster preparedness

Purpose
Education/Guidance

Inclusion/Exclusion criteria
Inclusion criteria:
Have at least a bachelor's degree in nursing The minimum work experience is 6 months in the emergency department Having a smartphone or tablet and any other digital device with the ability to install the social network telegram
Exclusion criteria:
Unwillingness to participate in the study Not having smart phone

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: 60

Randomization (investigator's opinion)
Not 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
Street address
Iran University Campus, next to Milad tower, Hemmat freeway, next to Milad tower, Tehran, Iran
City
Tehran
Province
Tehran
Postal code
۱۴۴۹۶-۱۴۵۳۵

Approval date
2017-12-08, 1396/09/17

Ethics committee reference number
IR.IUMS.REC1396.9411706004

Health conditions studied

1

Description of health condition studied

Disaster Management in Hospital

ICD-10 code
ICD-10 code description

Primary outcomes

1

Description

Nurses' Knowledge Score in disaster preparedness questionnaire: In this research, disaster preparedness knowledge is the score achieved from response to 27 awareness-gauging questions (minimum score of 0 and maximum 27) in disaster preparedness questionnaire.

Timepoint

Before and after the intervention

Method of measurement
Disaster preparedness questionnaire

2

Description

Nurses' Attitude Score in the Disaster Readiness

Questionnaire: In this research, from the point of view of disaster preparedness, the score obtained from answering 20 questions in crisis management and planning for disaster management (minimum score 20 and maximum 80).

Timepoint

Before and after the intervention

Method of measurement

Disaster preparedness questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: After forming a group in the Telegram social network, the disaster preparedness topics will be presented as Photos and Videos. The training is delivered to the nurses in the mentioned formats during 34 one-day sessions. The nurses must send the term "studied" to the researcher to ensure that topics are read by the test group. Also, if anyone has questions he/she can ask the researcher through a the Telegram. If a disruption occurs to the Telegram program, other virtual social networks such as Whatsapp, Viber, and Instagram will be used. The post-test is taken and the changes made in the knowledge and attitudes of individuals are examined.

Category

Treatment - Other

2

Description

Control group: Regular training program will be provided for all members of this group by the Hospital Crisis Committee during the study. The questionnaire is completed at the beginning of the study by the people of this group. At the end of the intervention, the provided information is also given to the control group. The post-test is taken and the changes made in the knowledge and attitudes of individuals are examined.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Hazrat-E Rasoul-E Akram Therapeutic Research Center

Full name of responsible person

Hasan Amiri

Street address

Niayesh Ave., Satarkhan Ave., Tehran

City

Tehran

Province

Tehran

Postal code

۱۳۴۹۶۱۴۵۳۵

Phone

+98 21 6435 2333

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PR@iums.ac.ir

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2

Recruitment center

Name of recruitment center

Hafte Tir hospital

Full name of responsible person

Mohammad Amin Zare

Street address

Shahid Rajaii Ave, Share Rey

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Web page address

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Iran University of Medical Sciences

Full name of responsible person

Kazem Malakoti

Street address

Iran University of Medical Sciences, Shahid Hemmat Highway, Tehran, 1449614535, IRAN

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Province

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Postal code

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Phone

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PR@iums.ac.ir

Web page address

<http://vcr.iums.ac.ir>

Grant name

Grant code / Reference number

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

Yes
Title of funding source
Iran 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
Iran University of Medical Sciences
Full name of responsible person
Naser Javadi
Position
Student Master
Latest degree
Bachelor
Other areas of specialty/work
Nursery
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Iran University of Medical Sciences, Shahid Hemmat
Highway, Tehran, 1449614535, IRAN
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Person responsible for scientific inquiries

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Master
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Person responsible for updating data

Contact

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Latest degree
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<http://iums.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

All information about the participants except the name
and reputation of the person can be shared.

When the data will become available and for how

long

Available from the time the thesis is published.

To whom data/document is available

All people in different disciplines can access.

Under which criteria data/document could be used

In case of any need for study information, I will be contacted.

From where data/document is obtainable

Contact me - Nasser Javadi -

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

I will be responsible for any information via email or phone call or virtual networks within 48 hours.

Comments

Applicants must clearly state my information in my request for information.