

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Jun 2026

Design, implementation and evaluation of an educational intervention to increase colorectal cancer screening: An application of intervention mapping approach

Protocol summary

Summary

This research is interventional study of experimental type that will be carried out with the purpose the design, implementation and evaluation of an educational intervention to increase colorectal cancer screening by using the intervention mapping approach in adults Hamadan city. Methods: After preliminary studies, 244 subjects over 40 years referred to health care centers in Hamadan using multi-stage sampling in 4 group will be placed. the intervention group 1 (intervention included holding educational sessions, distribution of educational aids tools such as pamphlet, film and free access to fecal occult blood test); the intervention group 2 (intervention included holding educational sessions, distribution of educational aids tools such as pamphlet, film); the intervention group 3 (free access to fecal occult blood test) and control group (receiving usual care). Inclusion criteria: Residing in Hamadan; In the age group over 40 years; Lack of screening (fecal occult blood test and colonoscopy) and Exclusion criteria: Failure to cooperate with researchers; moved to another city during the study period. before and 4 months after intervention data on demographics, knowledge, colorectal and Preventive health model structures will collect by questionnaire and practice will be measured by using fecal occult blood test (FOBT).

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015041821822N1**

Registration date: **2015-06-28, 1394/04/07**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2015-06-28, 1394/04/07

Registrant information

Name

Fereshteh Besharati

Name of organization / entity

Hamadan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 81 3838 0292

Email address

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Recruitment status

Recruitment complete

Funding source

Hamadan University of Medical Sciences

Expected recruitment start date

2015-09-06, 1394/06/15

Expected recruitment end date

2016-09-20, 1395/06/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Design, implementation and evaluation of an educational intervention to increase colorectal cancer screening: An application of intervention mapping approach

Public title

Intervention program to increase colorectal cancer screening

Purpose

Screening

Inclusion/Exclusion criteria

Inclusion criteria: Residing in Hamadan; In the age group over 40 years; Lack of screening (fecal occult blood test and colonoscopy) and Exclusion criteria: Failure to cooperate with researchers; moved to another city during the study period

Age

From **40 years** old to **75 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **244**

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 Hamadan University of Medical Sciences

Street address

Hamadan University of Medical Sciences, Shahid Fahmideh Av, Hamadan, Iran

City

Hamadan

Postal code

6517838678

Approval date

2015-02-28, 1393/12/09

Ethics committee reference number

p/16/35/9/6385

Health conditions studied

1

Description of health condition studied

Colorectal cancer

ICD-10 code

c-18, c-19

ICD-10 code description

Malignant neoplasm of colon and rectum

Primary outcomes

1

Description

Perceived severity

Timepoint

Before and 4 months after intervention

Method of measurement

Questionnaire

2

Description

Knowledge

Timepoint

Before and 4 months after intervention

Method of measurement

Questionnaire

3

Description

Perceived susceptibility

Timepoint

Before and 4 months after intervention

Method of measurement

Questionnaire

4

Description

Intention

Timepoint

Before and 4 months after intervention

Method of measurement

Questionnaire

5

Description

Perceived barriers

Timepoint

Before and 4 months after intervention

Method of measurement

Questionnaire

6

Description

Social support

Timepoint

Before and 4 months after intervention

Method of measurement

Questionnaire

7

Description

Self efficacy

Timepoint

Before and 4 months after intervention

Method of measurement

Questionnaire

8**Description**

Perceived benefits

Timepoint

Before and 4 months after intervention

Method of measurement

Questionnaire

Secondary outcomes**1****Description**

FOBT

Timepoint

After intervention

Method of measurement

Stool Test

Intervention groups**1****Description**

Intervention group1: Interventions included holding educational sessions, distribution of educational aids tools such as pamphlet, film and free access to fecal occult blood test

Category

Prevention

2**Description**

Intervention group2: Interventions included holding educational sessions, distribution of educational aids tools such as pamphlet and film

Category

Prevention

3**Description**

Intervention group3: free access to fecal occult blood test

Category

Prevention

4**Description**

Control group: For the control group will not perform any of the action that will be taken for the intervention group.

Category

Prevention

Recruitment centers**1****Recruitment center****Name of recruitment center**

Helth centers of Hamadan

Full name of responsible person

Fereshteh Besharati

Street address

Health Faculty, Hamadan University of Medical Sciences, Shahid Fahmideh Av, Hamadan, Iran.

City

Hamadan

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Vice chancellor for research, Hamadan University of Medical Sciences

Full name of responsible person

Saeed Bashirian

Street address

Hamadan University of Medical Sciences, Shahid Fahmideh Av, Hamadan, Iran

City

Hamadan

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, Hamadan University of Medical Sciences

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**

Hamadan University of Medical Sciences

Full name of responsible person

Fereshteh Besharati

Position

Master of Sciences/ PhD Student

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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