

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Aug 2026

Analysis of the effect of the education intervention based on the model of health belief on irrational use of antibiotic among women referring to health care centers under the coverage of the Health Care Center of SouthTehran in 2016

Protocol summary

Summary

The main purpose: to determine the effect of educational intervention based on Health Belief Model on reducing arbitrary antibiotic use in women referred to health units under covering south Tehran Health Center Secondary objectives: To Compare the grade of knowledge, susceptibility, severity, benefits and perceived barriers and advantages and self-reported performance before and 3 months after educational intervention in two studied groups, determination of the frequency distribution of practice guides of arbitrary use of antibiotics and most Antibiotics used by the studied population Study design: Intervention study and a clinical trial is to determine the effect of education on reducing arbitrary use of antibiotics and will be carried out in the level of health care units covered by health center of the south of Tehran. Health center of the south of Tehran has 31 centers and 53 health centers in five municipal districts 10, 11, 16, 17 and 19. How to do: First a list of all health facilities is provided by region and municipality and then two health centers is randomly selected from each region. Then again two randomly selected centers take place in intervention and control groups. For sampling each two groups, they simultaneously select someone who have study criteria. To measure the designed questionnaire used, First, the questionnaire of participants in both intervention and control groups were completed, then the program is done in the experimental group. After the end of 3 months the data again are collected from both groups and then analyzed. Entrance condition: Individuals in the intervention group: women with 15 to 60 years old who have health records have been referred to the health centers in the considered date are allowed to participate in the study. Exclusion criteria included the lack of their desire to continue to participate in the study and absence of more than one

meeting of the three sessions. Intervention: 1- holding three training class sessions, each session lasting 30 minutes. 2- Flyer installing 3- pamphlet distribution 4- educational pamphlet distribution 15- sending 12 SMS during the 3 months training course Variables: In this study, knowledge, perceived susceptibility and severity in people taking the antibiotic arbitrary, obstacles and benefits of the correct use of antibiotics as the dependent variable and age, education level, occupation, nationality, type of insurance, marital status, spouse education, jobs and average of family income as independent variables is considered in the study.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016020726416N1**

Registration date: **2016-09-25, 1395/07/04**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2016-09-25, 1395/07/04

Registrant information

Name

Elham Rashidian

Name of organization / entity

Tehran University of Medical Science

Country

Iran (Islamic Republic of)

Phone

+98 21 4427 9087

Email address

e-rashidian@farabi.tums.ac.ir

Recruitment status**Recruitment complete****Funding source**

Tehran University of Medical Sciences

Expected recruitment start date

2016-02-20, 1394/12/01

Expected recruitment end date

2016-11-21, 1395/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Analysis of the effect of the education intervention based on the model of health belief on irrational use of antibiotic among women referring to health care centers under the coverage of the Health Care Center of SouthTehran in 2016

Public title

The impact of education on antibiotic use

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: females referred to the health center; aged between 15 and 60 years old; having health records in health centers; can participate in training classes and satisfied to participate in the study.
Exclusion criteria: the reluctance of women to continue participating in the study; absence of more than one session in a training classes.

AgeFrom **15 years** old to **60 years** old**Gender**

Female

Phase

N/A

Groups that have been masked*No information***Sample size**Target sample size: **720****Randomization (investigator's opinion)**

Randomized

Randomization description**Blinding (investigator's opinion)**

Single blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Tehran University of Medical Sciences

Street address

Sixth floor- Central Organization of Tehran University of Medical Sciences- Quds Street- Keshavarz Blvd.

City

tehran

Postal code**Approval date**

2015-12-19, 1394/09/28

Ethics committee reference number

IR.TUMS.REC.1394.1437

Health conditions studied**1****Description of health condition studied**

Antibiotic use

ICD-10 code

xx1

ICD-10 code description

Factors influencing health status and contact with health services

Primary outcomes**1****Description**

Reduce antibiotic use

Timepoint

3 months

Method of measurement

Using questionnaires

Secondary outcomes

empty

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

In the intervention group, first the questionnaire is completed, then educational intervention is done as following: 1- 3 training class held for 30 minutes at health centers. 2. The educational pamphlet are available to participants .3- educational flyer is installed in front of the eyes of participants. 4- 12 SMS will be sent to the participants' mobile numbers (a message every 2 weeks). 4- At last meeting the participants will be given educational pamphlets. Then after three months the same questionnaire is completed.

Category

Prevention

2

Description

In the control group the questionnaire is completed and three months later the same questionnaire of participants in the control group is completed.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Health center south of Tehran

Full name of responsible person

Elham Rashidian

Street address

Street Revolution-Street Vesal SHirazi- Alley SHafiee-
Health center south of Tehran

City

tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

School of Health, Tehran University of Medical
Sciences

Full name of responsible person

Gholam Reza Garmaroudi

Street address

Department of Health Promotion, Faculty of Public
Health, Tehran University of Medical Sciences,
Poursina St., Keshavarz blvd.

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

School of Health, Tehran 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

South Tehran Health Center

Full name of responsible person

Elham Rashidian

Position

MSc Student

Other areas of specialty/work

Street address

South Tehran Health Center, Shafie Alley, Vesal
Shirazi St.

City

Tehran

Postal code

1417863181

Phone

+98 21 6647 7188

Fax

Email

e-rashidian@farabi.tums.ac.ir

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

School of Public Health, Tehran University of Medical
Sciences

Full name of responsible person

Gholam Reza Garmaroudi

Position

Maternal and Child Health Specialist, MSc, MPH
mental health

Other areas of specialty/work

Street address

Department of Health Promotion, Faculty of Public
Health, Tehran University of Medical Sciences,
Poursina St., Keshavarz blvd.

City

Tehran

Postal code

Phone

+98 21 8898 9134

Fax

+98 21 8898 9129

Email

garmaroudi@tums.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Elham Rashidian

Position

Masters student

Other areas of specialty/work

Street address

Department of Health Promotion, Faculty of Public
Health, Tehran University of Medical Sciences,

Poursina St., Keshavarz blvd.

City

Tehran

Postal code

Phone

+98 21 6647 7188

Fax

+98 21 6647 7188

Email

e-rashidian@farabi.tums.ac.ir;

elirashidian@yahoo.com

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