Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Determining the effect of a theory-based educational intervention on the prevention of brucellosis and livestock vaccination process

Protocol summary

Study aim
Determining the effect of educational intervention based on PRECEDE-PROCEED model in the prevention of brucellosis and livestock vaccination process in Lighwan village, East Azarbaijan province.

Design
Single blind clinical trial with control group

Settings and conduct
Training on brucellosis disease in the village of Lighvan, Tabriz

Participants/Inclusion and exclusion criteria
The criteria for the study include accommodation in the area and activity in livestock breeding; consenting to participate in the study and the absence of a history of brucellosis and receiving related training in this field in the past. Exit criteria include the inability to use the educational package intended for this study; including physical disabilities; including visual and auditory problems; limitation and absenteeism in more than 20% of the training sessions which can provide learners with the required level of learning; noticeable attention.

Intervention groups
Model-based intervention in ranchers

Main outcome variables
Reduction of brucellosis and increased brucellosis vaccination

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20180304038945N1**
Registration date: **2018-12-24, 1397/10/03**
Registration timing: **registered_while_recruiting**

Last update: **2018-12-24, 1397/10/03**
Update count: **0**

Registration date
2018-12-24, 1397/10/03

Registrant information

Name
farhad bahadori

Name of organization / entity
Tarbeat modares

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Iran (Islamic Republic of)

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f.bahadori@modares.ac.ir

Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2018-12-22, 1397/10/01

Expected recruitment end date
2019-06-22, 1398/04/01

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
Determining the effect of a theory-based educational intervention on the prevention of brucellosis and livestock vaccination process

Public title
Determining the effect of a theory-based educational intervention on the prevention of brucellosis and livestock vaccination process

Purpose
Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:
Livestock in Lighvan village Residence in the area and activities in the livestock sector Declaring consent to participate in the study Not having a history of brucellosis and receiving related training in this field in the past
Exclusion criteria:
The inability to use the educational package intended for this study, including physical inability, includes visual and auditory problems Limitation and absenteeism in more than 20% of the training sessions that can significantly affect learners' learning

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked

- Participant

Sample size
Target sample size: **72**

Randomization (investigator's opinion)
Randomized

Randomization description
Random software

Blinding (investigator's opinion)
Single blinded

Blinding description
The target group is the same stockbreeder

Placebo
Not used

Assignment
Other

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Tarbiat Modares University

Street address
Jalal Al-e Ahmad

City
tehran

Province
Tehran

Postal code
14115-111

Approval date
2018-05-16, 1397/02/26

Ethics committee reference number
IR.MODARES.REC.1397.001

Health conditions studied

1

Description of health condition studied
Brucellosis

ICD-10 code
A23.0

ICD-10 code description
Brucellosis due to Brucella melitensis

Primary outcomes

1

Description
Average scores of predisposing factors

Timepoint
Before the intervention, immediately after the intervention and 2 months after it

Method of measurement
Questionnaire

Secondary outcomes

1

Description
Brucella antibody level in sheep

Timepoint
Before and after the vaccination season

Method of measurement
ELISA test or Rozbangal

Intervention groups

1

Description
Intervention group: Farmers' behavior in vaccination against brucellosis and preventive behaviors. To do this, the intervention training is tailored to the target group for at least four sessions for an hour through the methods of the front line or using textual methods including brochures, etc.

Category
Behavior

2

Description
Control group: The non-intervention control group and routine training will be given annually. Finally, after training, the effect of education was assessed in two intervention and control groups

Category
Behavior

Recruitment centers

1

Recruitment center

Name of recruitment center
Lighvan village(individual livestocks)

Full name of responsible person
Fazlollah Ghofranipour

Street address
lighvan village- Tabriz

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Tabriz

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East Azarbaijan

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Tarbiat modares

Full name of responsible person
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Grant name
Research Deputy of Tarbiat Modares University

Grant code / Reference number
1410827

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

Title of funding source
Tarbiat modares

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
Tarbiat modares

Full name of responsible person
Fazlollah Ghofranipour

Position
University professor

Latest degree
Ph.D.

Other areas of specialty/work
Health Promotion

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Person responsible for updating data

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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
Undecided - It is not yet known if there will be 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
Only part of the data, such as the original outcome information, will be available
When the data will become available and for how long
Two years after the start of the project and in 2019 inwards
To whom data/document is available
University researchers-veterinarians- and veterinarians related to the livestock industry
Under which criteria data/document could be used
Governmental centers with official permissions from relevant departments
From where data/document is obtainable
Contact by e-mail and phone number with Dr. Fazlollah Ghofranipour Ers-Tehran Jalal Al-Ahmad Tarbiat Modares University ghofranipourf@gmail.com 00982182880
What processes are involved for a request to access data/document
Contact via emailCommunication via email and phone - if applicable, within a week to one month
Comments