# Current status of bovine TB/zoonotic TB & Brucellosis [Mongolia]

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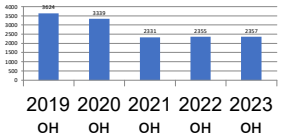
## Bovine TB/Zoonotic TB

(Bovine tuberculosis)

Surveillance included 2,500 samples, all of which tested negative (-) by ELISA.

**Number of people infected with Tuberculosis**

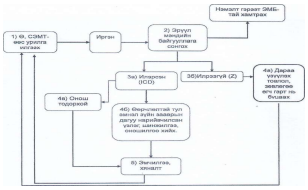



## DIAGNOSIS, SURVEILLANCE, CONTROL

A serological surveillance to "Ensure the health of Mongolian cattle from tuberculosis" is being conducted.
The surveillance report conducted at SCVL noted that no infection of TB was detected.

Early detection of human tuberculosis.

Early health screening



## ONE HEALTH APPROACH

*SATREPS project, which began in November 2020, involves the National Center for Communicable Diseases (NCCD) and the Institute of Veterinary Medicine (IVM) of Mongolia, in collaboration with Hokkaido University and the National Institute for Tuberculosis in Japan.*

## CHALLENGES AND WAY FORWARD

Intersectoral coordinating committee on zoonosis for human and animal health sector

Conduct regular monitoring and research of bovine tuberculosis to maintain control

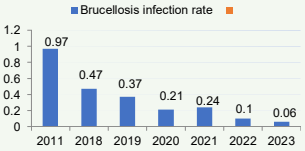
Improving the capacity of diagnostic laboratories

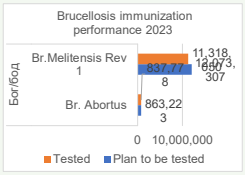
Expanding research on latent tuberculosis infection in humans

## Brucellosis

*CURRENT SITUATION*

Brucellosis surveillance results in breeding male animals




- The brucellosis infection rate, which was 0.97% in 2011 before the implementation of the brucellosis strategy, has decreased by 0.87%, reaching 0.06% in 2023..
- 0% of sire (he camel) (0/1634),
- 0.23% of bulls (53/23305),
- 0.17% of rams (231/139383),
- 0.15% of bills (163/106460)

In 2023, 12.9 million head of cattle were covered by the annual vaccination program. A total of 3.2 billion MNT was spent from the state budget.

| Хүний бруцеллезын тохиолдол | |
|---|---|
| Он | Эерэг |
| 2019 | 100 |
| 2020 | 77 |
| 2021 | 38 |
| 2022 | 67 |
| 2023 | 105 |
| 2024 | 27 |

## DIAGNOSIS, SURVEILLANCE, CONTROL

**At the Soum Level:**

**Surveillance, sample collection, and detection using Rose-Bengal testing.**

**In the Aimag Provincial Veterinary Laboratory:**

**Detection methods including Rose-Bengal testing and Complement Fixation Testing (CFT).**

**In the Central State Veterinary Laboratory:**

**Results are confirmed through**

**Complement Fixation Testing (CFT).**

**Bacteriological analysis.**

**Molecular biology methods**

## ONE HEALTH APPROACH

In the fight against brucellosis, the government allocates necessary funds for animal immunization, vaccine production, surveillance, and laboratory diagnosis.
Full inclusion of herdsmen and dairy workers in brucellosis testing is being implemented in coordination with provincial zoonosis centers..

| | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|---|---|---|---|---|
| Vaccination | 15,217.8 | 14,802.6 | 13,870.4 | 12,703.4 | 12,155.8 |

## CHALLENGES AND WAY FORWARD

"A new strategic plan to combat with brucellosis" is to be approved by Minister for Food, Agriculture and Light Industry.

Focus on the slaughtering, consumption, and disposal of animals that test positive for infection, and ensure that associated costs are included in the local budget.

A responsible approach to ensuring food safety and improving MENS control.

According to the MAHIS surveillance data, the system allows for reporting suspected cases of brucellosis in animals and taking prompt response measures

World Organisation for Animal Health
Founded in 1924