



Charmaine Chng

Scientific Officer, Standards Department/ OIE

OIE Standards relevant to Brucellosis

Progress and Challenges in Brucellosis Control in the Asia Pacific Region
29 July 2021



Organisation
Mondiale
de la Santé
Animale

World
Organisation
for Animal
Health

Organización
Mundial
de Sanidad
Animal





Agenda

1. Overview of OIE Standards
2. Terrestrial Code standards on brucellosis
3. Terrestrial Manual standards on brucellosis



Organisation
Mondiale
de la Santé
Animale

World
Organisation
for Animal
Health

Organización
Mundial
de Sanidad
Animal



Overview of OIE Standards

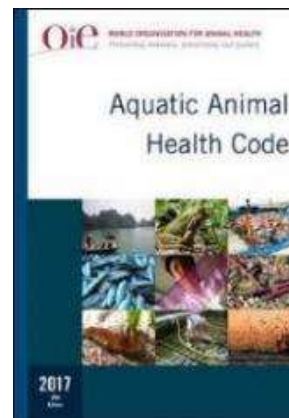
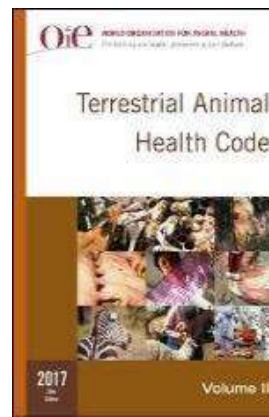
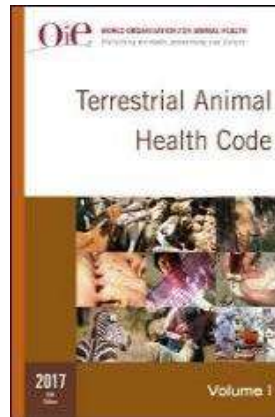
The OIE develops and publishes standards related to its mandate:

- **Codes** – standards for improvement of animal health and welfare and veterinary public health, ensure safe trade
- **Manuals** – standards for diagnostic tests and vaccines

May be found on the OIE website:

<https://www.oie.int/en/what-we-do/standards/codes-and-manuals/>

CODES



Definition

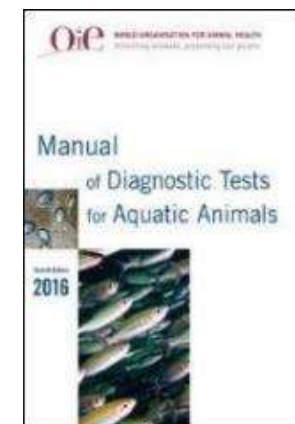
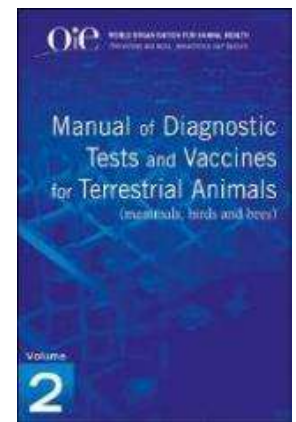
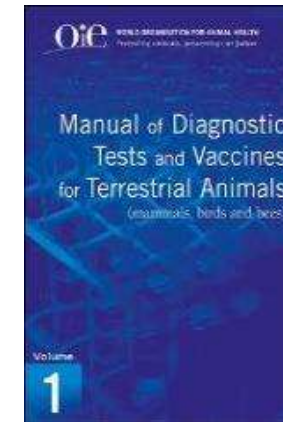
Horizontal chapters

- General concepts

Vertical chapters

- Disease specific

Manuals



Terrestrial Code standards on brucellosis

Chapter 8.4. Infection with *Brucella abortus*, *B. melitensis* and *B. suis*

Definition of infection with *Brucella*:

Brucella strains:

- *Brucella abortus*, *B. melitensis*, *B. suis*

*excluding vaccine strains



Susceptible animals:

- **Bovids:** cattle, bison and water buffalo, **sheep and goats, pigs, camelids, cervids, European hare**

Diagnostic criteria:

- Brucella has been isolated from a sample from an animal
- Positive results to a diagnostic test have been obtained, with epidemiological link to a case

*Standards for diagnostic tests and vaccines are in the Terrestrial Manual



Freedom from infection with *Brucella*

Key points to note

Ref: TAHC Articles 8.4.3 – 8.4.13

- Country/zone vs herd/ flock freedom
- Historical freedom vs pathogen-specific surveillance programme
- Specified animal species
- With or without vaccination
- Recovery of freedom



Trade provisions

Key points to note

Ref: TAHC Articles 8.4.2, 8.4.14 – 8.4.21

- Safe commodities
- Recommendations on importation
 - Live animals for slaughter vs breeding/ rearing
 - Semen and embryos
 - Fresh meat and meat products
 - Milk and milk products
 - Wool and hair

Terrestrial Manual standards on brucellosis

Chapter 3.1.4. BRUCELLOSIS (*Brucella abortus*, *B. melitensis* and *B. suis*)

Points to note:

- The current chapter was adopted in May 2016
- The chapter is now in the process of revision/update by BSC
- As first step, the chapter was updated by OIE Reference Laboratory experts

Nature of new changes proposed by experts in the chapter:

- *B. melitensis* and *B. abortus* may also infect camels
- *B. canis* was also added as one of the species (in addition to *B. abortus*, *B. melitensis* and *B. suis*)



Organisation
Mondiale
de la Santé
Animale

World
Organisation
for Animal
Health

Organización
Mundial
de Sanidad
Animal

Terrestrial Manual standards on brucellosis

Chapter 3.1.4. BRUCELLOSIS (*Brucella abortus*, *B. melitensis* and *B. suis*)

Other changes proposed by experts in the chapter (continued):

Minor updates to different sections of the chapter

- *Introduction*
- *Description of the disease*
- *Diagnostic techniques (Detection of the agent, Serological tests)*
- *Vaccines*

Next steps:

- First round circulation to Members after review by BSC in September 2021 meeting
- Second round circulation to Members after review by BSC in February BSC 2022 meeting
- Propose for adoption May 2022



Organisation
Mondiale
de la Santé
Animale

World
Organisation
for Animal
Health

Organización
Mundial
de Sanidad
Animal





THANK YOU



www.oie.int



Organisation
Mondiale
de la Santé
Animale

World
Organisation
for Animal
Health

Organización
Mundial
de Sanidad
Animal

