



Current status of Brucellosis in Cambodia



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Brucellosis

CURRENT SITUATION

Brucellosis is a significant zoonotic disease in Cambodia, and concerned in worldwide, but we lack some data and science research.

❑ A pilot animal disease surveillance program was implemented at four abattoirs in Phnom Penh, Cambodia, between October 2019 and January 2020. A total of 1141 samples were collected from 477 cattle and 664 swine

This table: serological surveillance for transboundary and zoonotic diseases in cattle and swine

| Type | Disease | Positive |
|-------------------------|-----------------------|----------|
| Cattle (<i>n</i> =477) | Brucellosis | 1 |
| | Q fever | 4 |
| Swine (<i>n</i> =655) | Brucellosis | 1 |
| | CSF | 363 |
| | PRRS | 532 |
| | ASF (<i>n</i> =664*) | 17 |

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Pilot study of serological surveillance

- PRRS, CSF, ASF, Brucellosis, Q fever at abattoir in five provinces (Takeo, Kampong Cham, Pursat and Kampong Speu) (in progress study 2024)
- Abattoir-based serological surveillance for transboundary and zoonotic diseases in cattle and swine in Cambodia: a pilot study in Phnom Penh province during 2019 and 2020

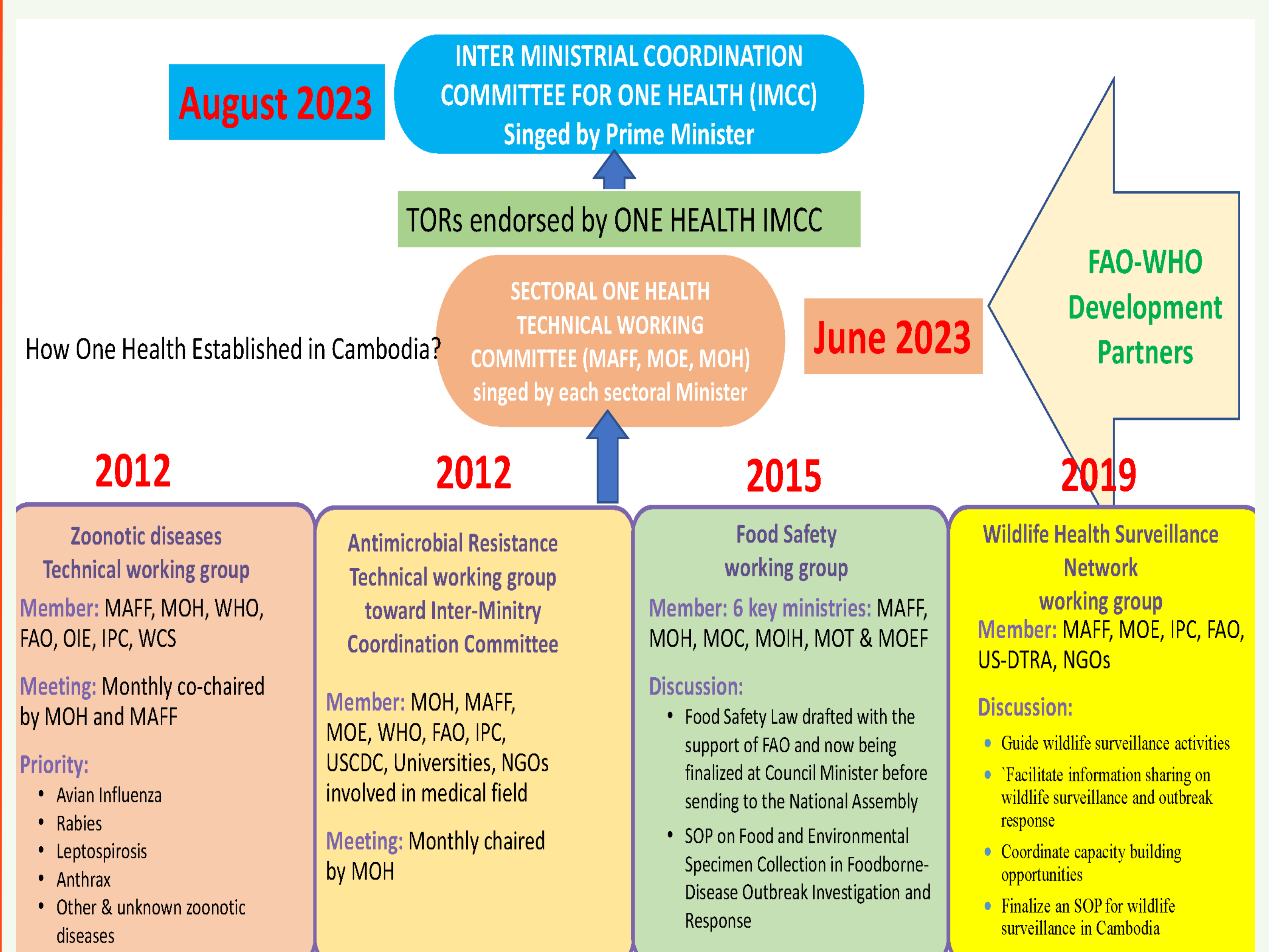


Fig: Movements of Cambodian cattle (left) and pigs (right) from province of origin to slaughterhouses in Phnom Penh (black dots and province names represent animal origins)

DIAGNOSIS, SURVEILLANCE, CONTROL

- GDAH has developed the National strategy for control animal disease
- Legislation measures
 - ✓ Sub-degree #16 of Animal and Animal Product Sanitary
 - ✓ Pass legislation (prakas) to establish temporary international border checkpoints and ban the importation, transportation of live animal, meat products
 - ✓ Impose inter-provincial transport bans by the refusal to issue transport health certificates.
 - ✓ Provincial veterinary services and VAHWs must to report of any suspected cases
 - ✓ Strengthen public private partnership: work closely with livestock association

ONE HEALTH APPROACH



CHALLENGES AND WAY FORWARD

CHALLENGES

- Illegal animal movement from neighboring countries
- Lab capacity in diagnosing
- Disease reporting systems and sharing information
- Low biosecurity at backyard.

WAY FORWARD

- Strengthen surveillance and reporting system
- Strengthen lab capacity and expand services to cover other diseases
- Improve Public Private Partnership collaboration
- Increase vaccination coverage
- Promote farm registration
- Biosecurity
- Enforce existing legislation on disease management.