

# WAHIS wildlife disease reporting system

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WOAH – Data Integration Department

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World  
Organisation  
for Animal  
Health

Organisation  
mondiale  
de la santé  
animale

Organización  
Mundial  
de Sanidad  
Animal

**Regional webinar for WOAH National Focal Points on Wildlife in Europe**

**Wildlife disease education and prediction at the human-animal interface**

**World Organisation for Animal Health**



# Contents

- Reporting wildlife diseases to WOAH
  - listed and non-listed diseases
- Statistics on reporting wildlife diseases to WOAH
- Support for reporting non-listed diseases

A close-up photograph of a red fox lying in a snowy field. The fox's fur is a vibrant orange-red, and its eyes are a striking blue. The background is a soft, out-of-focus white snow. A semi-transparent green banner with orange text is overlaid across the middle of the image.

# 1. Reporting wildlife diseases to WOAHA



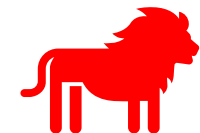
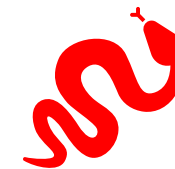
- Reporting wildlife diseases to WOAH

**117 listed diseases  
Domestic animals  
and wildlife**

**Emerging  
diseases**

**182 Members  
+  
24 Territories**

**53 Non-listed  
diseases in  
wildlife**





- User-friendly, intuitive, time-efficient
- High resolution dynamic mapping
- Open access to WAHIS data

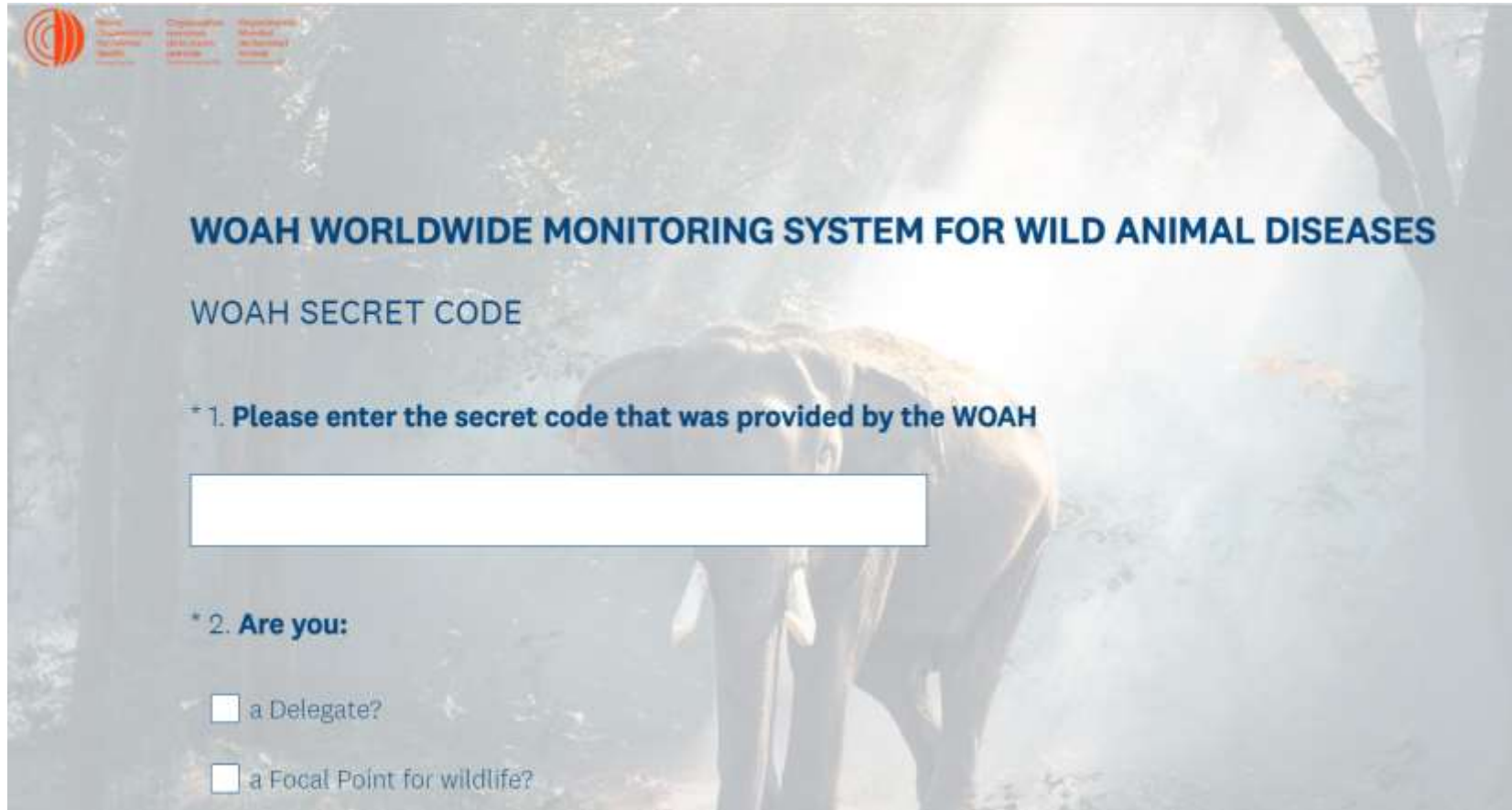


<https://wahis.woah.org>

Facilitates reporting, promotes the use of data



[WOAH WORLDWIDE MONITORING SYSTEM FOR WILD ANIMAL DISEASES Survey \(surveymonkey.com\)](https://www.surveymonkey.com)

A screenshot of a survey form titled "WOAH WORLDWIDE MONITORING SYSTEM FOR WILD ANIMAL DISEASES". The form is overlaid on a background image of a horse in a forest. The WOAH logo is in the top left corner. The text on the form includes: "WOAH SECRET CODE", "\* 1. Please enter the secret code that was provided by the WOAH", a text input field, "\* 2. Are you:", and two radio button options: "a Delegate?" and "a Focal Point for wildlife?".

**WOAH WORLDWIDE MONITORING SYSTEM FOR WILD ANIMAL DISEASES**

WOAH SECRET CODE

\* 1. Please enter the secret code that was provided by the WOAH

\* 2. Are you:

a Delegate?

a Focal Point for wildlife?

A red fox is shown in a winter setting, standing in a field of snow. The fox has a thick, orange-red coat with a white underbelly and a bushy tail. It is looking towards the camera with a calm expression. The background is a soft, out-of-focus white, suggesting a snowy landscape.

## 2. Statistics on reporting wildlife diseases to WOAHA

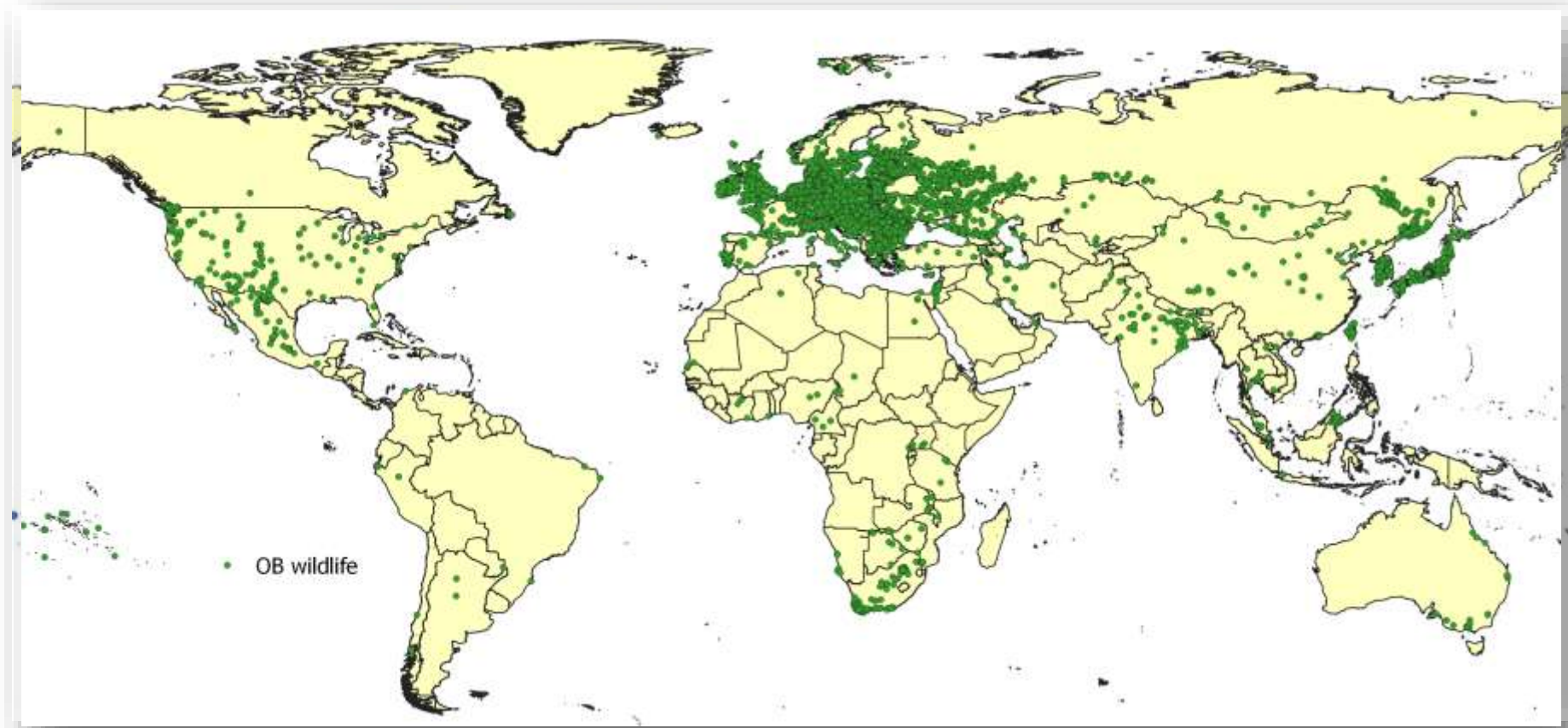


**32,716 outbreaks  
(early warning  
system)**

**31% of all the OB in  
the database**

**ASF and HPAI top  
reported**

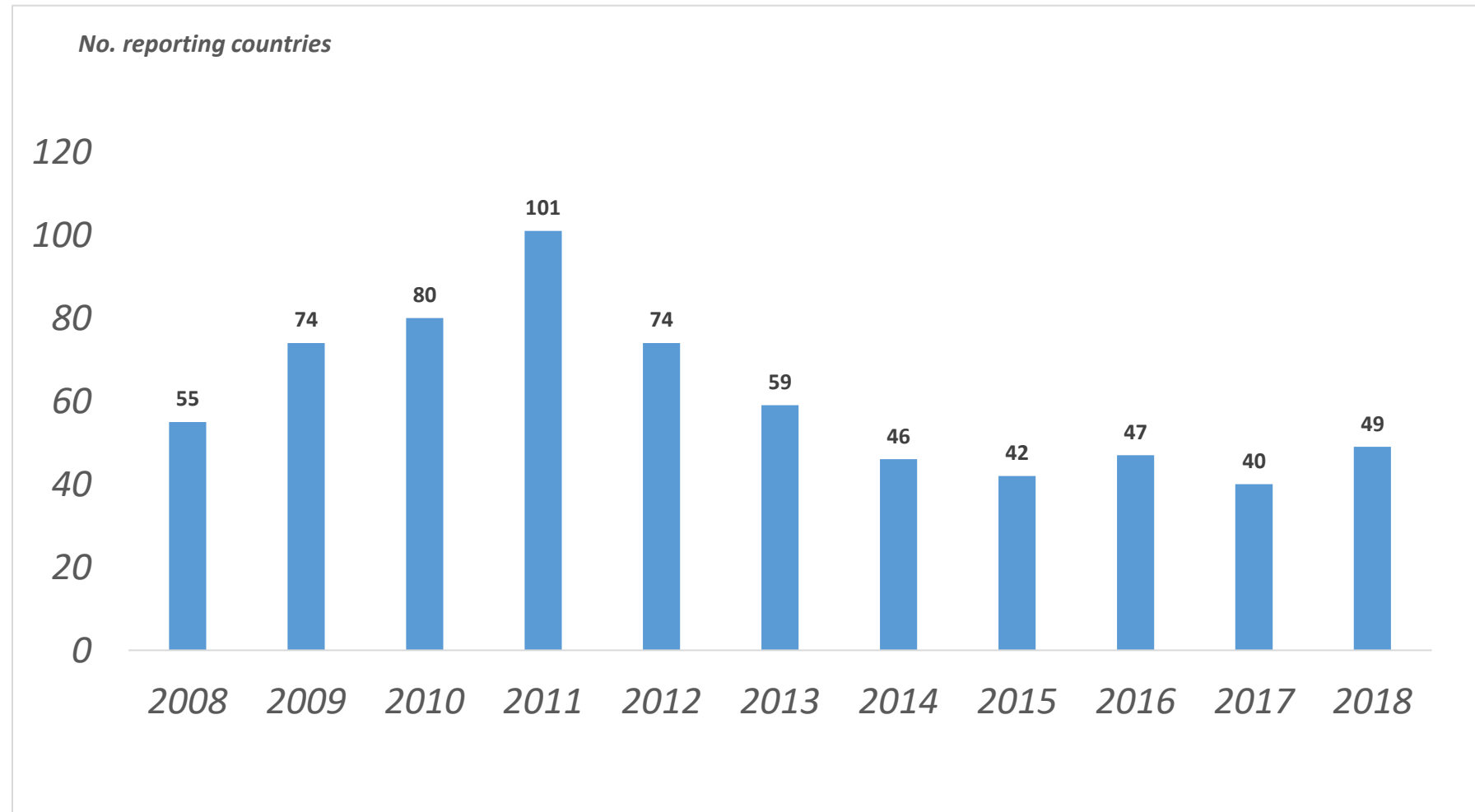
**447 species**







- Reporting trend (2008 - 2018) – No. countries submitting reports



A photograph of a red fox sitting in a snowy environment. The fox is facing right, looking towards the camera. Its fur is a mix of orange and red, with white underparts. The background is a soft, out-of-focus white snow. A green rectangular box is overlaid on the fox's body, containing the text "3. Support for reporting non-listed diseases" in orange font.

### 3. Support for reporting non-listed diseases



World Organisation for Animal Health  
Founded as OIE

Animal Diseases | Monkeypox | Avian Influenza | COVID-19 | SEARCH

WHO WE ARE | WHAT WE DO | WHAT WE OFFER | MEDIA | WOAH

## Agent causing chronic wasting disease (CWD)

Agent causing chronic wasting disease (CWD) is a non WOAH-listed disease in wildlife reported by Members to the WOAH, through the voluntary annual report. The purpose of this report is to share information about possible threats to animal and public health, as well as to protect biodiversity, and therefore, this report should not imply any trade consequences.

Technical disease card

[https://www.woah.org/en/what-we-do/animal-health-and-welfare/animal-diseases/?tax\\_diseases=non-listed-affecting-wildlife](https://www.woah.org/en/what-we-do/animal-health-and-welfare/animal-diseases/?tax_diseases=non-listed-affecting-wildlife)

## CHRONIC WASTING DISEASE

[Aetiology](#) [Epidemiology](#) [Diagnosis](#) [Prevention and Control](#)  
[Potential Impacts of Disease Agent Beyond Clinical Illness](#) [References](#)

### AETIOLOGY

#### Classification of the causative agent

Chronic wasting disease (CWD) is a contagious prion disease of free-ranging and captive deer, elk, and moose. The cellular prion protein (PrP<sup>C</sup>) serves as the normal host-encoded cellular prion protein. It is when PrP<sup>C</sup> directly binds to the misfolded isoform PrP<sup>Sc</sup> that PrP<sup>C</sup> adopts the disease-associated conformation. Normal prion proteins can be found most abundantly in the brain and spinal cord.

CWD is a member of the transmissible spongiform encephalopathy (TSE) family of prion diseases, and it is believed there are multiple strains within the United States as well as a strain unique to Norway.

#### Resistance to physical and chemical action

|                          |   |
|--------------------------|---|
| Temperature:             | Highly resistant to heat and radiation (UV, microwave, ionising); inactivation by autoclaving at 134°C (273°F) for 18 minutes at 30 lb/in <sup>2</sup> is suitable, but parameters may vary pending type of sample contaminated.  |
| pH:                      | Bioavailability of the CWD prion in soil is greater when pH>6.6.  |
| Chemicals/Disinfectants: | Highly resistant to chemical inactivation and few disinfectants effectively inactivate them; primarily, 50% concentrated household bleach with a contact time of 30-60 minutes or sodium hydroxide for 60 minutes are recommended, but concentrations and contact times may vary pending the type of sample contaminated. |
| Survival:                | Remains viable for long periods in fluids, faeces and tissues; persists in soil; partially resistant to protease digestion and can accumulate within neurones, eventually causing neuron death.   |

### EPIDEMIOLOGY

#### Hosts

- It is known to affect multiple cervid species including but not limited to: elk (*Cervus canadensis*), moose (*Alces alces*), mule deer (*Odocoileus hemionus*), white-tailed deer (*Odocoileus virginianus*), and reindeer (*Rangifer tarandus*).

#### Transmission



# Reporting NON-LISTED diseases

## Notification Procedure: why, where, and what to report

### Why report on disease in wildlife

Protecting wildlife health through disease monitoring, early detection of disease threats, and transforming global animal disease data reported to WDAH by its Member Countries into something which can be used to better manage wildlife health is a key focus of WDAH's [Wildlife Health Framework](#). Through the framework, WDAH aims to supporting Member countries surveillance systems, early detection, notification, and management of wildlife diseases.

Surveillance for pathogens in wildlife is critical to inform prevention and management of pathogen transmission at the human-wildlife interface. Find out more in the 2-page document on [Wildlife Surveillance \(English\)](#): <https://www.woah.int/~/media/woah/international/health/standards/2024/04/20240427-WDAH-Wildlife-Health-Surveillance-20240427.pdf?download=1>

Reporting on disease in wildlife helps to build trust and confidence both regionally and globally, by demonstrating:

- Transparency, a holistic and progressive approach to animal health and One Health,
- There is robust surveillance in place.

Reporting of disease in wildlife falls into multiple streams of reporting to WDAH (see below):

1. Reporting to WDAH-WAHIS on listed diseases in terrestrial or aquatic animal species (e.g. some amphibian diseases),
2. Reporting on emerging diseases in wildlife subject of a notification as per Terrestrial Animal Health Code chapter 1.1, including those as WDAH register of emerging diseases (hyperlink: <https://www.woah.int/~/media/woah/international/health/standards/2024/04/20240427-WDAH-Register-of-Emerging-Diseases-20240427.pdf?download=1>). Emerging disease means a new occurrence in an animal of a disease, infection or infestation, causing a significant impact on animal or public health resulting from: a change of a known pathogenic agent or its spread to a new geographical area or species; or a previously unrecognized pathogenic agent or disease diagnosed for the first time.
3. Voluntary reporting on non-WDAH-listed disease of wildlife (via WAHIS-Wild).

### Why report on the voluntarily non-WDAH-listed diseases of wildlife?

The WDAH Working Group in Wildlife (WGW), during their meeting in [March 2024](#), see Appendix I, summarised the following on voluntary reporting:

The purpose of voluntary reporting:

- Document new or unexpected occurrences of infectious or non-infectious causes of mortality or morbidity in wildlife which are not reported to WDAH as an emerging disease or as a WDAH listed disease to improve situational awareness and transparency;
- Generate knowledge on the presence/absence of infectious or non-infectious agents in wildlife to identify current and potential sanitary risks and trends.

WOAH WAHIS-Wild provides validated information on disease in wildlife, therefore voluntary reporting also provides:

- Knowledge of disease distribution which helps identify trends that will inform risk analysis linked to WDAH listing of diseases;
- Identification of potential health threats to natural resources and biodiversity conservation, food production systems and livestock, as well as public health;

A way for WDAH to become a valuable source of information for the legal, sustainable use of wildlife.

The goals of voluntary reporting were noted as being consistent with and support the following WDAH mission objectives:

- Ensure transparency in the global animal disease situation;
- Collect, analyse and disseminate veterinary scientific information;
- Encourage international solidarity in the control of animal diseases;
- Provide a better guarantee of food of animal origin and promote animal welfare through a science-based approach.

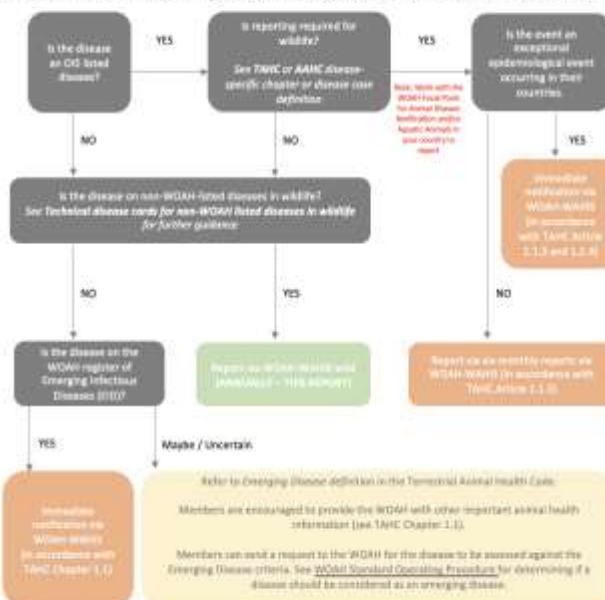
Supporting actions of WDAH and its Members by voluntary reporting:

- Helps WDAH members reduce unnecessary barriers to trade based on scientific evidence, demonstrating transparency;
- Raises the awareness that a country's veterinary surveillance system is working, which contributes to positive performance of Veterinary Services and Joint External Evaluation assessments and helps Members meet international reporting obligations for other agreements such as the Global Health Security Agenda, the International Health Regulations, or the Convention on Migratory Species;
- Makes Members aware of what is happening in neighbouring countries, which helps preparedness for potential introduction of disease.

### Where to report: WDAH-WAHIS or WAHIS-Wild?

1. Use the WDAH webpage on Animal Diseases: <https://www.woah.org/en/what-we-do/animal-health-and-welfare/animal-diseases> and use the filter to find WDAH Listed, non-WDAH Listed and Emerging disease lists.
2. To report on diseases that are WDAH-listed or subject of a notification as per Terrestrial Animal Health Code chapter 1.1, work with the WDAH Focal Point for Animal Disease Notification and/or Aquatic Animals in your country to report to WDAH-WAHIS.
3. To voluntarily report on non-WDAH-listed disease of wildlife (via WDAH Wild) see [USE THE GUIDELINES BELOW](#).

### Decision Tree for Reporting Terrestrial or Aquatic Disease of Wildlife to WDAH



Tip 1: Reporting of a WDAH-listed disease in wildlife may be "blocked" in WDAH-WAHIS. It is not possible to report on the disease in wildlife. These diseases can be reported via WDAH-WAHIS-AMA. Examples: Eastern Equine Encephalitis, Newcastle Disease.

Tip 2: Some diseases (e.g. avian influenza) are WDAH-listed and a non-listed disease (PDZ). These diseases or WDAH-listed reporting will be dependent on the disease pathotype and/or host species infected.

### What to report - Voluntary reporting of diseases in wildlife

- Reporting of WDAH-listed disease in wildlife may be "blocked" in WDAH-WAHIS (e.g., it is not possible to report on the disease in wildlife). These diseases can be reported via WDAH-WAHIS-AMA.
- Some diseases (e.g. avian influenza) are WDAH-listed and a non-listed disease of wildlife. WDAH-WAHIS or WAHIS-Wild reporting will be dependent on the disease pathotype and/or host species infected.

Use the Terrestrial Animal Health Code, Aquatic Animal Health Code and the WDAH-listed and non-WDAH-listed disease Technical disease cards for further guidance when reporting.

See below for some examples.

Examples - Reporting infectious / infectious in wild animals to WDAH-WAHIS or WAHIS-Wild

| Disease  | WDAH-listed Disease (Report to WDAH-WAHIS)  | WDAH Non-listed disease of wildlife (Voluntary reporting to WAHIS-Wild)                                     |
|--|---|---|
| Avian influenza  | High pathogenicity avian influenza viruses (HPAI and H5N1) detected in wild birds.<br><br>TASC 1: Infection with influenza A viruses of high pathogenicity in birds other than poultry, including wild birds, should be notified in accordance with Article 1.1.3.*                       | Low pathogenicity avian influenza viruses (LP-PAIV) detected in all wildlife.                               |
| Rabies / Lyssaviruses  | Rabies virus<br><br>TASC 1: a case in any animal infected with rabies virus (Rabies virus, the haemorrhagic gastroepithelitis in the <i>Lepus</i> or <i>Capreolus</i> families) referred to as classical rabies virus, genotype "1," should be notified in accordance with Article 1.1.3. | Lyssaviruses other than Rabies virus are voluntarily reportable in wild animals.                            |
| Newcastle disease (ND) / Avian Paramyxovirus serotype 1                          | Infection of <i>Procyon</i> spp. in wildlife is an WDAH-notifiable disease.<br><br>It is not possible to report ND in wild animals in WDAH-WAHIS (e.g., reporting is "blocked" for wild animal reporting).  | Vologera and lentogenic strains of Avian Paramyxovirus serotype 1 is voluntarily reportable in non-poultry. |
| SalmoneLLa   | <i>S. abortusovis</i> (sheep and goats); <i>S. pullorum</i> (Pulmonary disease of chickens); <i>S. gallinarum</i> (Fowl typhoid) (all updating).  | <i>SalmoneLLa enterica</i> (all serovars)   |
| Equine influenza (EI)  | EI is a WDAH-notifiable disease in domesticated equids.<br><br>It is not possible to report EI in wild animals in WDAH-WAHIS (e.g., reporting is "blocked" for wild animal reporting).  | EI is voluntarily reportable in wildlife.   |
| Infection with <i>Pseudogymnoascus destructans</i> in bats (White-nose syndrome) | Not WDAH-listed disease   | Voluntarily reportable in wildlife.   |

# Video tutorial and step-by-step procedure



[Access to the module](#)

A step-by-step guide for  
the online reporting  
module on wildlife health



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Health  
Fondée en OIE

Organisation  
mondiale  
de la santé  
animale  
Fondée en l'art ou OIE

Organización  
Mundial  
de Sanidad  
Animal  
Fundada como OIE

WOAH WORLDWIDE MONITORING SYSTEM FOR WILD ANIMAL DISEASES

WOAH WORLDWIDE MONITORING SYSTEM FOR WILD ANIMAL DISEASES

WOAH SECRET CODE

Please enter the secret code that was provided by the WOAH

Are you:

Delegated

Focal Point for wild life

Focal Point for wildlife disease notification

Next

To access the temporary notification system, go to [www.surveymonkey.com/r/FocalPoints](http://www.surveymonkey.com/r/FocalPoints)



# Conclusions

- **Opportunities:**
  - *Legal framework and standards on animal diseases*
  - *Centralised and standardised reporting system for diseases in wildlife*
  - *Effort from WOAH to support countries' reporting. What can we do better?*
- **Gaps and challenges:**
  - *Significant differences within and among regions in reporting behavior*
  - *Sensitivity of the system for some diseases*
    - Surveillance activities at country level
    - Communication gaps among relevant stakeholders / institutions
    - Disease prioritisation



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Thank you for your  
attention

