Requirements for equine disease notification to the OIE and situation of equine diseases notifiable to the OIE
Requirements for disease notification to the OIE
Transparency of worldwide animal disease situation

- One of the main missions of the OIE is to ensure transparency of worldwide animal disease situation

- Legal obligation for all Member Countries to report to the OIE

- OIE List of notifiable diseases

- Includes 19 diseases of relevance to equids
OIE listed diseases of relevance to equids

Equine diseases and infections
- Contagious equine metritis
- Dourine
- Equine encephalomyelitis (Western)
- Equine infectious anaemia
- Equine influenza
- Equine piroplasmosis
- Glanders
- African horse sickness virus
- Infection with equid herpesvirus-1
- Infection with equine arteritis virus
- Venezuelan equine encephalomyelitis

Multiple species diseases, infections and infestations relevant to equids
- Anthrax
- Equine encephalomyelitis (Eastern)
- Rabies
- Japanese encephalitis
- New world screwworm
- Old world screwworm
- Surra
- West Nile fever
Obligation for listed disease’s notification

Article 1.1.3.

Veterinary Authorities shall, under the responsibility of the Delegate, send to the Headquarters:

1) in accordance with relevant provisions in the disease-specific chapters, notification, through the World Animal Health Information System (WAHIS) or by fax or email within 24 hours, of any of the following events:
   a) first occurrence of a listed disease, infection or infestation in a country, a zone or a compartment;
   b) recurrence of a listed disease, infection or infestation in a country, a zone or a compartment following the final report that declared the outbreak ended;
   c) first occurrence of a new strain of a pathogenic agent of a listed disease, infection or infestation in a country, a zone or a compartment;
   d) a sudden and unexpected change in the distribution or increase in incidence or virulence of, or morbidity or mortality caused by, the aetiological agent of a listed disease, infection or infestation present within a country, a zone or a compartment;
   e) occurrence of a listed disease, infection or infestation in an unusual host species;

2) weekly reports subsequent to a notification under point 1 above, to provide further information on the evolution of the event which justified the notification. These reports should continue until the disease, infection or infestation has been eradicated or the situation has become sufficiently stable so that six-monthly reporting under point 3 will satisfy the obligation of the Member Country; for each event notified, a final report should be submitted;

3) six-monthly reports on the absence or presence and evolution of listed diseases, infections or infestations and information of epidemiological significance to other Member Countries;

4) annual reports concerning any other information of significance to other Member Countries.
Transparency (WAHIS)
Intro by Country/Territory

Choose by: Single country ▼ Region: Entire World ▼ Country:

Choose disease:
- Terrestrial: African horse sickness (-) ▼
- Aquatic: --- Aquatic --- ▼

Start Year: 2005 ▼ End Year: 2019 ▼ OK

Disease timelines

Key to colours
- There is no information available on this disease
- Never reported
- Disease absent
- Disease suspected but not confirmed
- Infection/infestation
- Disease present
- Disease limited to one or more zones
- Infection/infestation limited to one or more zones
- Disease suspected but not confirmed and limited to one or more zones

When different animal health statuses between domestic and wild animal population are provided the box is split in two:
- The upper part indicates the situation in domestic animals
- The lower part indicates the situation in wild animals

Note
NA Not applicable
Situation of equine diseases notifiable to the OIE in the 13 target countries
Diseases reporting to the OIE

*Based on WAHIS’ records*

Number of OIE-listed equine diseases (n=19)

- **Presence/absence not reported to the OIE in domestic and wild equids populations**
- **Presence/absence reported to the OIE in domestic equids populations only**
- **Presence/absence reported to the OIE in domestic and wild equids populations**
Notifiability and surveillance

*Based on WAHIS’ records*

- **Notifiability**
  - None of the OIE listed disease of relevance to equids is notifiable in all of the 13 target countries.
  - Four (4) of the 13 target countries have reported all the 19 diseases of relevance to equids as notifiable to the OIE.
Notifiability and surveillance
Based on WAHIS’ records

- Surveillance
  - None of the OIE listed diseases of relevance to equids are under surveillance in domestic populations in all of the 13 target countries.
  - Only one country has reported all the 19 OIE listed diseases of relevance to equids as under surveillance in equid domestic populations.

In the absence of notifiability and surveillance, the reported absence of certain diseases must be interpreted with caution.
### Diseases presence not reported to the OIE

Based on WAHIS’ records

<table>
<thead>
<tr>
<th>Disease</th>
<th>Number of target countries (n=13)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N. w. screwworm</td>
<td>13</td>
</tr>
<tr>
<td>Equine encephalomyelitis (Eastern)</td>
<td>13</td>
</tr>
<tr>
<td>Japanese encephalitis</td>
<td>12</td>
</tr>
<tr>
<td>O. w. screwworm</td>
<td>12</td>
</tr>
<tr>
<td>Venezuelan encephalomyelitis</td>
<td>12</td>
</tr>
<tr>
<td>Encephalomyelitis (West)</td>
<td>11</td>
</tr>
<tr>
<td>Contagious equine metritis</td>
<td>10</td>
</tr>
<tr>
<td>Equine influenza</td>
<td>7</td>
</tr>
<tr>
<td>Presence/absence not reported</td>
<td>5</td>
</tr>
</tbody>
</table>

- **Reported as absent in domestic and wild populations**
- **Reported as absent in domestic populations only**
- **Presence/absence not reported**
Diseases of concern in the region

Based on WAHIS’ records

Number of target countries (n=13)

- Rabies
- Anthrax
- Equine piroplasmosis
- Dourine
- Equine viral arteritis
- Equine infectious anaemia
- Glanders
- EHV-1
- Surra
- African horse sickness
- West Nile Fever

- Presence/absence not reported
- Reported as absent in domestic and wild populations
- Reported as absent in domestic populations only
- Reported as present or suspected in domestic and/or wild population

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Conclusion

- 19 OIE listed of relevance to equids
  - Two diseases is reported as absent in the 13 countries
  - 11 diseases are reported present in at least one of 11 target countries reviewed.

- Knowledge of the disease situation is key to define relevant health requirements for horse movement.

**Priorities:**
- Disease notifiability and surveillance
- Transparency in international disease reporting
Thank you for your attention