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# Reportable Diseases in the United States: 2018 Annual Report

Last Modified:

The following tables show the United States' status for animal diseases that are reported to the World Organisation for Animal Health (WOAH) if they are confirmed to be present in specific livestock, poultry, and aquaculture species. This information is reported to WOAH every 6 months and is also presented on the international WOAH website.

This is a summary of the report submitted to WOAH for the year indicated and not meant to reflect current disease status. Please see [Livestock and Poultry Disease](#) for more current information.

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## Terrestrial Animal Diseases

### Diseases Associated With Multiple Species

| Disease | Status  | Date of Last Occurrence / Notes |
|---------|---------|---------------------------------|
| Anthrax | Present | Sporadic / limited distribution |

| Disease  | Status   | Date of Last Occurrence / Notes  |
|--|----------|--|
| Aujeszky's disease   | Present  | Sporadic / limited distribution in feral and/or noncommercial production swine. Noncommercial swine: swine managed under biosecurity conditions that allow for potential exposure to feral swine that may be infected with swine diseases, such as pseudorabies. National eradication program. No commercial production swine herd detections in 2018.   |
| Bluetongue   | Present  | Sporadic   |
| Brucellosis ( <i>Brucella abortus</i> )  | Present  | Sporadic / limited distribution. Disease is limited to free-ranging bison ( <i>Bison bison</i> ) and wapiti ( <i>Cervus canadensis</i> ) in the Greater Yellowstone National Park area/national eradication program.   |
| Brucellosis ( <i>Brucella melitensis</i> )   | Free     | 1999   |
| Brucellosis ( <i>Brucella suis</i> )   | Present  | Sporadic / limited distribution in feral and/or noncommercial production swine. Noncommercial swine: swine managed under biosecurity conditions that allow for potential exposure to feral swine that may be infected with swine diseases, such as brucellosis. <i>B. suis</i> , biovar 4 is endemic in wild caribou ( <i>Rangifer tarandus</i> ) herds in Alaska, and biovar 1 is endemic in feral swine in several States. National eradication program. No commercial production swine herd detections in 2018. |
| Crimean Congo hemorrhagic fever  | Free     | Never occurred   |
| Echinococcosis/hydatidosis ( <i>Echinococcus granulosus</i> , <i>E. multilocularis</i> ) | Present? | Suspected  |

| <b>Disease</b>                      | <b>Status</b>  | <b>Date of Last Occurrence / Notes</b>   |
|-------------------------------------|----------------|--|
| Epizootic hemorrhagic disease (EHD) | Present        | Sporadic   |
| Equine encephalomyelitis (Eastern)  | Present        | Sporadic / limited distribution  |
| Foot-and-mouth disease              | Free           | 1929   |
| Heartwater                          | Free           | Never occurred   |
| Japanese encephalitis               | Free           | Never occurred   |
| New world screwworm (NWS)           | Free           | One event in 2017 limited to the Florida Keys—infestation in Key Deer. There was no NWS myiasis in any production livestock. Eradicated in March 2017 using sterile flies. |
| Old world screwworm                 | Free           | Never occurred   |
| Paratuberculosis (Johne's disease)  | Present        | Voluntary control program  |
| Q fever                             | Present        | Sporadic   |
| Rabies                              | Present        |  |
| Rift Valley fever                   | Free           | Never occurred   |
| Rinderpest                          | Free           | Never occurred   |
| Surra ( <i>Trypanosoma evansi</i> ) | Free           | Never occurred   |
| Trichinellosis                      | Present?       | Sporadic occurrence in backyard-raised swine and wild species. No commercial production swine herd detections in 2018.   |
| Tularemia                           | Present (wild) | Sporadic in wild populations. Last domestic detection was in 2009.   |
| West Nile fever/encephalitis        | Present        |  |

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## Avian Diseases

| <b>Disease</b>     | <b>Status</b> | <b>Date of Last Occurrence / Notes</b>  |
|--------------------|---------------|---|
| Avian chlamydiosis | Present       | Identified sporadically in wild birds, pet birds, and backyard birds only. No commercial production flock detections in 2018. |

| <b>Disease</b>  | <b>Status</b> | <b>Date of Last Occurrence / Notes</b>   |
|---|---------------|--|
| Avian infectious bronchitis                                   | Present       |  |
| Avian infectious laryngotracheitis                            | Present       | Sporadically detected in poultry. Detections are primarily vaccine-related.  |
| Avian mycoplasmosis ( <i>M. gallisepticum</i> )               | Present       | Sporadic occurrence. All commercial poultry breeding flocks are under a surveillance program to confirm infection-free status. Commercial table-egg laying hens may be vaccinated. The “finch strain” of MG occurs in wild passerine birds, primarily house finches ( <i>Carpodacus mexicanus</i> ), in which it causes conjunctivitis. This strain has been shown experimentally to be nonpathogenic in chickens. |
| Avian mycoplasmosis ( <i>M. synoviae</i> )                    | Present       | Sporadic occurrence. All commercial poultry breeding flocks are under a surveillance program to confirm infection-free status.   |
| Duck viral hepatitis  | Free          | 1998   |
| Fowl typhoid ( <i>Salmonella gallinarum</i> )                 | Free          | 1981   |
| Highly pathogenic avian influenza                             | Present       | Two events reported to the WOAHA in 2017: (1) H7N9 in commercial chicken broiler-breeder flock, closed August 2017; and (2) identification of H5N2 in a wild mallard duck, closed March 2017.  |
| Low pathogenic avian influenza (poultry) Notifiable H5 and H7 | Present       | Identified sporadically in backyard poultry and in live-bird-markets that serve local ethnic communities. Low pathogenicity H5 was detected in a live-bird market and low pathogenicity H5N2 was detected in backyard poultry. No commercial production flock infection was detected from July 2017 to December 2017.  |
| Infectious bursal disease (Gumboro disease)                   | Present       | Sporadic   |

| Disease   | Status         | Date of Last Occurrence / Notes   |
|---|----------------|---|
| Newcastle disease (Neurotropic and viscerotropic strains) | Present (wild) | Sporadic detections in wild birds. Domestic poultry are considered free—last detection was in 2003.                           |
| Pullorum disease ( <i>Salmonella pullorum</i> )           | Present        | Identified sporadically in backyard poultry. No commercial production flock detections since 1991, considered absent in them. |
| Turkey rhinotracheitis                                    | Present        | Type C is detected in poultry sporadically and with limited distribution.   |

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## Bee Diseases

| Disease   | Status  | Date of Last Occurrence / Notes                                  |
|---|---------|--|
| Acarapisosis of honey bees ( <i>Acarapis woodi</i> )                | Present | Sporadic / limited distribution                                  |
| American foulbrood of honey bees ( <i>Paenibacillus larvae</i> )    | Present | American foulbrood of honey bees ( <i>Paenibacillus larvae</i> ) |
| European foulbrood of honey bees ( <i>Melissococcus plutonius</i> ) | Present |  |
| Small hive beetle infestation ( <i>Aethina tumida</i> )             | Present |  |
| Tropilaelaps infestation of honey bees ( <i>Tropilaelaps</i> spp.)  | Free    | Never occurred   |
| Varroosis of honey bees ( <i>Varroa</i> spp.)                       | Present | Varroosis of honey bees ( <i>Varroa</i> spp.)                    |

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## Cattle Diseases

| Disease             | Status  | Date of Last Occurrence / Notes  |
|---------------------|---------|--|
| Bovine anaplasmosis | Present |  |
| Bovine babesiosis   | Free    | Last occurrence on the U.S. mainland was in 1943. Endemic in Territories of Puerto Rico and the U.S. Virgin Islands. |

| Disease   | Status                      | Date of Last Occurrence / Notes   |
|---|-----------------------------|---|
| Bovine genital campylobacteriosis   | Present                     | Sporadic  |
| Bovine spongiform encephalopathy (BSE)  | WOAH-Negligible Risk status | One detection of atypical BSE reported to WOA in 2018. Atypical BSE is an uncommon form of the agent not generally associated with an animal consuming infected feed. |
| Bovine tuberculosis   | Present                     | Sporadic / limited distribution / national eradication program  |
| Bovine viral diarrhea   | Present                     |   |
| Contagious bovine pleuropneumonia ( <i>Mycoplasma mycoides</i> subsp. <i>mycoides</i> SC) | Free                        | 1892  |
| Enzootic bovine leukosis  | Present                     |   |
| Haemorrhagic septicaemia ( <i>Pasteurella multocida</i> , serotypes B/Asian or E/African) | Absent                      | 1969  |
| Infectious bovine rhinotracheitis / infectious pustular vulvovaginitis                    | Present                     |   |
| Lumpy skin disease  | Free                        | Never occurred  |
| Theileriosis  | Free                        | Never occurred  |
| Trichomonosis   | Present                     |   |
| Trypanosomosis (tsetse-transmitted)   | Free                        | Never occurred  |

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## Equine Diseases

| Disease                    | Status | Date of Last Occurrence / Notes |
|----------------------------|--------|---------------------------------|
| African horse sickness     | Free   | Never occurred                  |
| Contagious equine metritis | Free   | 2014                            |

| <b>Disease</b>                      | <b>Status</b> | <b>Date of Last Occurrence / Notes</b>                     |
|-------------------------------------|---------------|--|
| Dourine                             | Free          | 1934   |
| Equine encephalomyelitis (Western)  | Present?      | No equine detections reported the last 20 years            |
| Equine infectious anemia            | Present       | Sporadic / limited distribution / National Control Program |
| Equine influenza                    | Present       | Sporadic   |
| Equine piroplasmiasis               | Present       | Sporadic / limited distribution                            |
| Equine herpesvirus-1 (EHV-1)        | Present       |  |
| Equine viral arteritis              | Present       | Sporadic   |
| Glanders                            | Free          | 1942   |
| Venezuelan equine encephalomyelitis | Free          | 1971   |

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## Lagomorph Diseases

| <b>Disease</b>             | <b>Status</b> | <b>Date of Last Occurrence / Notes</b>  |
|----------------------------|---------------|---|
| Myxomatosis                | Present       | Sporadic / limited distribution in wild rabbits   |
| Rabbit hemorrhagic disease | Present       | RHDV, RHDV2. Outbreaks of RHDV2 have occurred since late 2018 in wild and domestic rabbits. |

## Sheep and Goat Diseases

| <b>Disease</b>  | <b>Status</b> | <b>Date of Last Occurrence / Notes</b> |
|---|---------------|--|
| Caprine arthritis/encephalitis  | Present       |  |
| Contagious agalactia  | Present?      | Sporadic / limited distribution        |
| Contagious caprine pleuropneumonia  | Free          | Never occurred                         |
| Enzootic abortion of ewes (ovine chlamydiosis, <i>Chlamydophila abortus</i> ) | Present       | Sporadic                               |
| Maedi-visna   | Present       | Sporadic                               |
| Nairobi sheep diseases  | Free          | Never occurred                         |
| Ovine epididymitis ( <i>Brucella ovis</i> )                                   | Present       | Sporadic                               |
| Peste des petits ruminants  | Free          | Never occurred                         |

| <b>Disease</b>                                    | <b>Status</b> | <b>Date of Last Occurrence / Notes</b>             |
|---|---------------|--|
| Salmonellosis ( <i>S. abortus ovis</i> )          | Present       | Sporadic / limited distribution                    |
| Scrapie   | Present       | Sporadic occurrence. National eradication program. |
| Sheep pox and goat pox                            | Free          | Never occurred                                     |
| <a href="#">See More</a> <a href="#">See Less</a> |               |  |

## Swine Diseases

| <b>Disease</b>                                    | <b>Status</b> | <b>Date of Last Occurrence / Notes</b>        |
|---|---------------|---|
| African swine fever                               | Free          | Never occurred                                |
| Classical swine fever (hog cholera)               | Free          | 1976  |
| Nipah virus encephalitis                          | Free          | Never occurred                                |
| Porcine cysticercosis                             | Free          | 2004  |
| Porcine reproductive and respiratory syndrome     | Present       | Porcine reproductive and respiratory syndrome |
| Transmissible gastroenteritis                     | Present       |   |
| <a href="#">See More</a> <a href="#">See Less</a> |               |   |

## Other Listed Diseases

| <b>Disease</b> | <b>Status</b> | <b>Date of Last Occurrence / Notes</b> |
|----------------|---------------|--|
| Leishmaniosis  | Present       | Sporadic occurrence in canines         |
| Camelpox       | Free          | Never occurred                         |

## Aquatic Animal Diseases

### Amphibian Diseases

| <b>Disease</b>                                       | <b>Status</b> | <b>Date of Last Occurrence / Notes</b> |
|--|---------------|--|
| Infection with <i>Batrachochytrium dendrobatidis</i> | Present       |  |



| <b>Disease</b>           | <b>Status</b>     | <b>Date of Last Occurrence / Notes</b> |
|--------------------------|-------------------|--|
| Infection with ranavirus | Present<br>(wild) |  |

## **Aquaculture Diseases: Crustaceans**

| <b>Disease</b>                                    | <b>Status</b>      | <b>Date of Last Occurrence / Notes</b>  |
|---|--------------------|---|
| Acute hepatopancreatic necrosis disease           | Present            | One event reported to WOA in 2017, resolved December 2017   |
| Crayfish plague ( <i>Aphanomyces astaci</i> )     | Absent             |   |
| Infectious hypodermal and haematopoietic necrosis | Absent             |   |
| Infectious myonecrosis                            | Free               | Never occurred  |
| Necrotising hepatopancreatitis                    | Free               |   |
| Taura syndrome                                    | Free               | April 2007—Domestic<br>Suspected but not confirmed in wild populations in limited geographical regions/zones. Domestic populations considered free, last detection was in 2012. |
| White spot disease                                | Present?<br>(wild) |   |
| White tail disease                                | Free               | Never occurred  |
| Yellowhead disease                                | Free               | Never occurred  |

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## **Aquaculture Diseases: Fish**

| <b>Disease</b>  | <b>Status</b>     | <b>Date of Last Occurrence / Notes</b>  |
|---|-------------------|---|
| Epizootic hematopoietic necrosis (EHN)  | Free              | Never occurred  |
| Infection with <i>Aphanomyces invadans</i> (Epizootic ulcerative syndrome, EUS) | Present<br>(wild) | Sporadic occurrence / limited distribution in wild populations. Absent in domestic populations, last detection was in 2004. |

| Disease   | Status             | Date of Last Occurrence / Notes  |
|---|--------------------|--|
| Gyrodactylosis ( <i>Gyrodactylus salaricus</i> )    | Free               | Never occurred   |
| Infectious hematopoietic necrosis (IHN)             | Present (wild)     | Sporadic occurrence / limited distribution in wild populations. Free in domestic populations, last detection was 2015.                             |
| Infectious salmon anemia, ISA (HPR-deleted or HPR0) | Absent HPR-deleted | Wild: ISAV HPR0 suspected<br>ISAV HPR0 detected through routine surveillance in healthy fish, no detections of ISAV HPR-deleted.                   |
| Koi herpesvirus disease (KHV)                       | Present            |  |
| Red sea bream iridoviral disease                    | Free               | Never occurred   |
| Salmonid alphavirus (SAV)                           | Free               | Never occurred   |
| Spring viremia of carp (SVC)                        | Present? (wild)    | Suspected but not confirmed in wild populations in limited geographical regions/zones. Absent in domestic populations, last detection was in 2004. |
| Viral hemorrhagic septicaemia (VHS)                 | Present (wild)     | Sporadic / limited distribution in wild populations. Absent in domestic populations, last detection was in 2007.                                   |

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## Aquaculture Diseases: Molluscs

| Disease                                 | Status   | Date of Last Occurrence / Notes  |
|---|----------|--|
| Infection with abalone herpes virus     | Free     | Never occurred   |
| Infection with <i>Bonamia exitiosus</i> | Present? | Identified sporadically in farmed molluscs exposed to open water. There have been no detections in farmed molluscs maintained in closed systems. |

| Disease  | Status          | Date of Last Occurrence / Notes  |
|--|-----------------|--|
| Infection with <i>Bonamia ostreae</i>            | Present? (wild) | Suspected but not confirmed in wild populations in limited geographical regions/zones. Free in domestic populations, last detection was in 2006. |
| Infection with <i>Marteilia refringens</i>       | Free            | Never occurred   |
| Infection with <i>Perkinsus marinus</i>          | Present         | Sporadic / limited distribution  |
| Infection with <i>Perkinsus olseni</i>           | Free            | Never occurred   |
| Infection with <i>Xenohalotis californiensis</i> | Present         | Sporadic / limited distribution  |

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#### Status of Animal Diseases in the United States of America

- **Present** = occurrence of the disease reported
- **Free** = no occurrence in the United States of the WOAHA-listed disease
- **Present?** = occurrence suspected but not confirmed
- **Absent** = disease absent during the reporting period/no detections reported
- **Sporadic** = occurring only occasionally
- **Limited distribution** = limited geographic distribution

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