What If............
And What If........
Equine Herpesvirus-1
Equine Herpesvirus Myeloencephalopathy
Equine Disease Communication Center and National Equine Health Plan

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May 2011: EHM Cases at National Cutting Horse Finals, Ogden, Utah

- 2000 Horses at risk in 19 states
- 243 exposed horse premises
- 90 laboratory confirmed cases for EHV-1 or EHM
- 13 states with confirmed or suspected cases
- An example of the economic loss:
  - 440 Equine events in California were cancelled in 2011
What is the Equine Disease Communication Center?

• Conceived as a north American alert system for real time information on infectious disease outbreaks.
• Combines alerts with disease and biosecurity information.
• A resource for state and federal animal health officials, veterinarians, owners and allied industries.
• Helps maintain continuity of business in the face of a disease outbreak.
EDCC Goals

• Help mitigate and prevent the spread of disease for the horse industry.
• Educate horse owners about endemic and foreign diseases and disease prevention.
What does EDCC do?

• Provides the most accurate and up-to-date information about current disease outbreaks.
• Uses Website, email and social media alerts to keep all constituents of the horse industry aware of disease outbreaks.
• EDCC call center at USEF enhances flow of information.
• Educates the horse industry.
EDCC Email Alerts

Go to http://equinediseaseecc.org/alerts/outbreaks to see an alert for equine herpesvirus in King County, Washington.
Equine Disease Communication Center: Current Function

• State veterinarians provide most of the disease reports
  • 43 states and 4 provinces have participated
• Some reports from practicing veterinarians
• Follow-up inquiries come from owners
• Monthly summaries
• Owner fact sheets
• Biosecurity information
• AAEP Infectious Diseases Guidelines
• National Equine Health Plan
MONTHLY STATS REPORT

DISEASE REPORT UPDATE

FEBRUARY 2018

EHV:
18 OUTBREAKS
1 in CA
1 in NY
3 in KY
3 in VA
2 in OH
1 in WY
1 in WA
1 in PA
2 in AZ
3 in ID

EEE:
1 CASE
1 in FL

STRANGLES:
5 OUTBREAKS
3 in FL
1 in VA
1 in MI

EIA:
2 CASES
2 in TX

Data reflects cases reported to the Equine Disease Communication Center from Feb. 1-28, 2018. For more information about individual cases visit equinedisease.org/outbreaks
Equine Disease Communication Center: Current Statistics

• EDCC Totals (as of February 28, 2018)
  • 750 alerts posted since April 2015
  • 943 outbreaks reported since April 2015
  • 4088 addresses on the EDCC email alert subscription list
  • 5700 following on Facebook
Cases Reported per Month by the EDCC

Number of Cases Reported

Jan  Feb  March  April  May  June  July  Aug  Sept  Oct  Nov  Dec

Coronavirus
0  1  0  0  0  1  0  0  0  0  0  0

Eastern Equine Encephalitis (Individual cases)
1  0  0  0  0  0  5  13  21  16  1  2

Equine Herpesvirus (Quarantines)
5  4  2  4  1  1  0  2  0  1  3  3

Equine Infectious Anemia (Quarantines)
1  0  1  0  2  3  4  2  4  5  1  1

Equine Influenza (Quarantines)
0  0  0  0  0  0  0  0  0  0  1  1

Pigeon Fever
0  0  0  0  0  0  0  0  0  0  1  0

Potomac Horse Fever (Individual cases)
0  0  0  0  0  0  0  0  28  0  0  1

Rabies (Individual cases)
0  0  0  0  0  0  1  1  1  0  0  0

Strangles (Quarantines)
6  6  3  6  2  2  5  1  4  4  0  12

West Nile Virus (Individual Cases)
0  0  0  0  0  1  10  38  87  54  13  6

Month

EDCC
equine disease communication center
**Educational Infographics**

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**Equine Vector-Borne Virus Facts & Prevention**

A **VECTOR-BORNE VIRUS** can only be transmitted through a vector such as a biting fly or mosquito. Unlike horses infected with an infectious disease, horses that contract a vector-borne illness pose no risk to other horses or humans.

**West Nile Virus (WNV)** and **Eastern Equine Encephalitis (EEE)** are two of the most commonly diagnosed vector-borne diseases in the United States.

**2016 WNV Outbreaks**

**2016 EEE Outbreaks**

**Cases Reported**
- 1-5
- 6-16
- 16+

**WNV and EEE Cases: 2016**

**Both WNV and EEE** can result in clinical signs that include fever, depression, and neurologic disease, and can be fatal. The AAEP includes WNV and EEE vaccines as CORE VACCINATIONS which should be administered annually or more often depending on location.

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**Prevention Protocols**

1. Keep all horses up-to-date on vaccinations
   - Initial vaccination is followed in 4–6 weeks with a booster and yearly vaccination is recommended after.
   - More frequent boosters are recommended in endemic areas and locations with year-round mosquito seasons.

2. Practice vector control on all properties where horses are kept
   - Use insect repellents frequently; re-apply after rain.
   - Keep horses in at night when possible and apply insect repellent.
   - Eliminate or minimize standing water.
   - Stock tanks or ponds with mosquito-feeding fish.
   - Eliminate brush piles, gutters, old tires, and litter.
   - Remove all equipment in which standing water can collect.

**Sources:**
- [https://aap.org/horsefactsheet.html](https://aap.org/horsefactsheet.html)
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Equine Disease Communication Center: Future Activity

- Website updates
  - News page: New regulations, research, and reviews
  - Disease info: additional owner fact sheets
  - Biosecurity updates
  - Disease prevalence database
  - Mobile App
- Coordination with GlobalVetlink
  - Current state regulations
- Practicing veterinarian submissions using website submission form
- Canada: Provincial vs. Canadian Animal Health Surveillance System
  - Equestrian Canada Equestre
  - Horse Welfare Alliance of Canada
National Equine Health Plan

Goal of the document

- Provide a road map for how to control equine infectious diseases
- Communicate awareness of current practices for disease control within the equine industry
- Present current guidelines, procedures and regulations used by USDA and SAHO’s to manage and prevent diseases
- Highlight the ”Roles and Responsibilities” of each segment of the industry in a separate document
National Equine Health Plan

Composed of 9 chapters

• 1) Prevent the Introduction of Foreign Animal Disease;
• 2) Prevent, Control & Response to Disease or Other Threats;
• 3) Disease and Health Monitoring and Surveillance;
• 4) Communication, Education & Outreach;
• 5) Research;
• 6) Diagnostics;
• 7) Biosecurity;
• 8) Drugs, Vaccines and Biologics;
• 9) AHC Welfare Code of Practice
National Equine Health Plan Links to existing policies and procedures

a) **Foreign Diseases:** Foreign diseases pose a constant threat to the United States horse population. Prevention relies on import quarantine testing and ongoing surveillance of the US equine population by equine practitioners trained to recognize foreign animal diseases intentionally or accidentally introduced. [USDA-APHIS-VS](https://www.aphis.usda.gov/has) oversees the national disease surveillance and investigations and provides foreign animal disease training courses for veterinarians ([veterinary accreditation program](https://www.avma.org)). If a foreign disease is identified in the United States, the state and federal regulatory health officials will quarantine affected animals; restrict movement; identify exposed animals and potentially exposed animals; and implement appropriate control and eradication measures. Communications will be managed and coordinated by [USDA-APHIS](https://www.APHIS.usda.gov), [State Animal Health Officials (SAHO offices)](https://www.aphis.usda.gov/has/state-animal-health-officials), the Equine Disease Communication Center ([EDCC](https://www.edcc.uga.edu)) and the American Association of Equine Practitioners ([AAEP](https://www.aaep.org)).
Welcome

The Equine Disease Communication Center (EDCC) works to protect horses and the horse industry from the threat of infectious diseases in North America. The communication system is designed to seek and report real time information about disease outbreaks similar to how the Centers for Disease Control and Prevention (CDC) alerts the human population about diseases in people.

The goal of the EDCC is to alert the horse industry about disease outbreak information to help mitigate and prevent the spread of disease. Ultimately frequent and accurate information about diseases outbreaks improves horse welfare and helps to prevent negative economic impact that can result from decreased horse use due to a fear of spreading infection. As part of the National Equine Health Plan the EDCC will serve as part of the communication to help educate and promote research about endemic and foreign disease.

Working in cooperation with state animal health officials and the United State Department of Agriculture, the EDCC seeks information about current disease outbreaks from news media, social media, official state reports and veterinary practitioners. Once information is confirmed, it is immediately posted on this website and messages sent to all states and horse organizations by email. Daily updates are posted until each outbreak is contained or deemed no longer a threat.

The EDCC is made possible by generous donations from organizations and horse owners. Please visit our sponsors that have generously supported this program for the benefit of the health and welfare of horses. To learn how you can help go to SUPPORT
Equine Disease Communication Center: Funding

• EDCC relies on funding from the horse industry

• Sponsorship
  • 60 current sponsors
    • USDA start up funding of the $150,000
    • Total donations or pledges equals $426,250
    • In-kind donations from AAEP and USEF
      • AAEP: Office space, communications, Internet technology
      • USEF: EDCC website, EDCC call center
Please Support the EDCC

Mail to:
AAEP Foundation C/O Equine Disease Communication Center, 4033 Iron Works Parkway, Lexington, KY 40511

Donate online at: www.aaepfoundation.org
Click on donate and then Type of Gift: Equine Disease Communication Center (EDCC)
To donate by check or mail, click HERE to download a donation form.