



**International
Collating Centre**

**INTERNATIONAL
COLLATING
CENTRE
QUARTERLY REPORT**

2024 Q1

Produced by:



EIDS
Equine Infectious
Disease Surveillance



**UNIVERSITY OF
CAMBRIDGE**
Department of Veterinary
Medicine

ICC SUMMARY

The International Collating Centre (ICC) has compiled global equine disease outbreak data for over 35 years and is overseen by Equine Infectious Disease Surveillance (EIDS). The ICC is generously supported by contributions from Fédération Equestre Internationale (FEI), International Thoroughbred Breeders' Federation (ITBF) members, Japanese Racing Association and Lanwades Stud.



National and international equine disease outbreaks are reported on a daily basis by the ICC, through email alerts. Please contact equinesurveillance@vet.cam.ac.uk to receive these. An interactive website of infectious disease reports can also be used to view current outbreak reports, <https://equinesurveillance.org/iccview/>.



REPORT SUMMARY

This article summarises international disease outbreaks during the first quarter of 2024. Additional summary reports received with further information on disease occurrence for a country that had not been reported in previous real-time ICC reports are also presented. This additional information is identified by # in the tables and text, where relevant, throughout this report.

The data presented in this report must be interpreted with caution. There is likely to be some bias in the way samples are submitted for laboratory testing and subsequently reported. Consequently, these data do not necessarily reflect true infectious disease frequency within the international equine population.

A country with no reported outbreaks of a disease does not necessarily mean the disease is absent from that country. Each table summarises the number of disease outbreaks reported by a country, and each reported outbreak may involve more than one animal.

Reports are broken down by body system:

- Reproductive diseases pg 2
- Respiratory conditions pg 4
- Gastrological conditions pg 10
- Neurological diseases pg 12
- Miscellaneous diseases pg 16

REPRODUCTIVE DISEASES

Country	EHV-1	EHV-4	<i>Salmonella abortusequi</i>	<i>Streptococcus zooepidemicus</i>
Argentina	#1	-	-	-
Belgium	-	-	-	1
France	10	-	-	1
Germany	5	-	-	-
Japan	#1	#1	#1	-
Netherlands	6	-	-	-
Sweden	4	-	-	-
United Kingdom	2	1	-	-

#some cases reported by ICC after the quarter end

EQUINE HERPES VIRUS-1 (EHV-1) ABORTION



#ARGENTINA

One case of EHV-1 abortion was reported after the quarter end in a vaccinated Thoroughbred mare on a premises in Argentina. The mare aborted during the fifth month of gestation. Positive diagnosis was confirmed by PCR and agent isolation.



FRANCE

Ten separate outbreaks of EHV-1 abortion were reported. Eight of the outbreaks involved single cases on premises in: Calvados, Indre-et-Loire, Maine-et-Loire, Orne and Pyrénées-Atlantiques. One outbreak involved three cases in vaccinated animals and one outbreak involved four cases in vaccinated animals, both outbreaks were on premises in Orne. Positive diagnoses were confirmed by PCR on fetal or placental tissues.



GERMANY

Five separate outbreaks of EHV-1 abortion, each involving single cases, were reported on premises in; Lower Saxony, Mecklenburg-Western Pomerania, North Rhine-Westfalia and Saxony-Anhalt. Positive diagnoses were confirmed by PCR on fetal tissues in two cases, PCR on an endometrial swab and an aspirate of fetal tissues in one case, PCR on amniotic fluid in one case and PCR on cervical and fetal swabs in one case.



#JAPAN

Thirteen cases of EHV-1 abortion were reported in vaccinated Thoroughbred mares on eight premises in Hidaka in Hokkaido Prefecture after the quarter end. Three premises had single cases and five premises had two cases. Positive diagnoses were confirmed by LAMP and PCR.



NETHERLANDS

Six outbreaks of EHV-1 abortion were reported. Two outbreaks involved single cases on premises in Friesland and Overijssel. Two outbreaks with two cases were reported on premises in North Brabant and Friesland and two further outbreaks were reported on premises in Friesland and North Brabant. Positive diagnoses were confirmed by PCR.



SWEDEN

Four outbreaks of EHV-1 abortion were reported, all involving single cases, on premises in: Halland County, Skåne County and Västra Götaland County. Positive diagnoses were confirmed by PCR.



UNITED KINGDOM

Two outbreaks of EHV-1 abortion were reported, both involving single cases, on premises in: Cheshire and West Sussex. Positive diagnoses were confirmed by PCR on fetal tissues.

EQUINE HERPES VIRUS-4 (EHV-4) ABORTION



#JAPAN

One case of EHV-4 abortion was reported in an unvaccinated mare on a premises in Kushiro in Hokkaido Prefecture after the quarter end. Positive diagnosis was confirmed by PCR.



UNITED KINGDOM

One case of EHV-4 abortion was reported on a premises in West Yorkshire. The animal aborted in the last month of gestation. Positive diagnosis was confirmed by PCR on fetal tissues.

SALMONELLA ABORTUSEQUI



#JAPAN

One case of *Salmonella abortusequi* abortion was reported in a draft breed mare on a premises in Kumamoto Prefecture after the quarter end. Positive diagnosis was confirmed by agent isolation and serology.

STREPTOCOCCUS ZOOEPIDEMICUS ABORTION



BELGIUM

One case of *Streptococcus zooepidemicus* abortion was reported on a premises in the Belgian province of Hainaut. Positive diagnosis was confirmed by PCR on fetal tissues.



FRANCE

One case of *Streptococcus zooepidemicus* abortion was reported in a 12-year-old Appaloosa mare on a premises in Puy-de-Dome. Positive diagnosis was confirmed by PCR on fetal tissues.

RESPIRATORY CONDITIONS

Country	EHV	EHV-1	EHV-4	EI	Other	<i>R. equi</i>	Strangles
Argentina	-	-	#1	-	-	-	-
Canada	-	-	-	1	-	-	8
France	-	3	9	-	-	2	#17
Germany	-	5	-	-	-	-	1
Netherlands	-	6	16	-	-	1	29
Sweden	-	5	-	-	-	-	4
Switzerland	-	-	2	-	-	-	1
United Kingdom	-	1	4	1	-	-	-
USA	1	2	1	-	1	-	40

#some cases reported by ICC after the quarter end

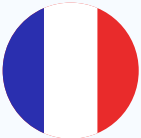
EQUINE HERPES VIRUS RESPIRATORY DISEASE



UNITED STATES OF AMERICA

One case of non-specified EHV respiratory disease was reported in a vaccinated six-year-old donkey on a premises in South Carolina. Clinical signs included: pyrexia and lethargy. Positive diagnosis was confirmed on a nasal swab.

EQUINE HERPES VIRUS-1 (EHV-1) RESPIRATORY



FRANCE

Three outbreaks of EHV-1 respiratory infection were reported. Two involving single cases on premises in Alpes-Maritimes and Manche and one involving four cases on premises in Alpes-Maritimes. Clinical signs included: cough, lymphadenopathy, nasal discharge and pyrexia. Positive diagnoses were confirmed by PCR on nasopharyngeal swabs.



GERMANY

Five outbreaks of EHV-1 respiratory infection were reported in North Rhine-Westphalia. Three outbreaks involved a single cases, one outbreak involved two cases and one outbreak involved three cases. Positive diagnoses were confirmed by PCR on nasal swabs or nasopharyngeal swabs.



NETHERLANDS

Six outbreaks of EHV-1 respiratory infection involving single cases were reported on premises in: Gelderland, North Holland, Overijssel and Utrecht. Positive diagnoses were confirmed by PCR.



SWEDEN

Five outbreaks of EHV-1 respiratory infection were reported. Four involved single cases on premises in: Skåne County and Stockholm County. One outbreak involving more than one case was reported on a premises in Stockholm. Positive diagnoses were confirmed by PCR on nasal swabs in the majority of cases.



UNITED KINGDOM

One outbreak of EHV-1 respiratory infection was reported in a vaccinated four-year-old Thoroughbred mare on a premises in Hertfordshire. Positive diagnosis was confirmed by PCR on a nasopharyngeal swab.



UNITED STATES OF AMERICA

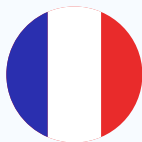
Two outbreaks of EHV-1 respiratory infection were reported. One outbreak involved a single case in a donkey on a premises in Rhode Island and one outbreak involved two cases on a premises in Oregon. Clinical signs included: cough, diarrhoea, lethargy, nasal discharge and pyrexia.

EQUINE HERPES VIRUS-4 (EHV-4) RESPIRATORY



#ARGENTINA

An outbreak of EHV-4 respiratory infection was reported after the quarter end in 20 four to six-month-old breedingstock/Thoroughbred foals on a premises in Argentina. Positive diagnosis was confirmed by PCR and viral isolation.



FRANCE

Nine outbreaks of EHV-4 respiratory infection were reported. Six outbreaks involving single cases were reported on premises in: Calvados, Haute-Garrone and Sarthe. The case in Sarthe had a co-infection of EHV-2 and EHV-5. Two outbreaks involved two animals on premises in: Côtes-d'Armor and Orne and one outbreak involved four cases on a premises in Calvados. Clinical signs included: cough, nasal discharge and pyrexia. Positive diagnoses were confirmed by PCR on nasal or nasopharyngeal swabs.



NETHERLANDS

Sixteen outbreaks of EHV-4 respiratory infection were reported, each involving single cases on premises in: Drenthe, Friesland, Gelderland, Limburg, North Brabant, Overijssel, South Holland and Utrecht. Positive diagnoses were confirmed by PCR.



SWITZERLAND

Two outbreaks of EHV-4 respiratory infection were reported with singles cases in each on premises in the Canton of Zurich. Clinical signs included pyrexia. Positive diagnoses were confirmed by PCR.



UNITED KINGDOM

Four outbreaks of EHV-4 respiratory infection were reported with single cases in each in unvaccinated animals on premises in: Bedfordshire, Hertfordshire, North Yorkshire and Suffolk. Clinical signs included: inappetence, lethargy, lymphadenopathy and nasal discharge. Positive diagnoses were confirmed by PCR on nasal and nasopharyngeal swabs and by serology in one case.



UNITED STATES OF AMERICA

One case of EHV-4 respiratory infection was reported on a premises in Rhode Island. Clinical signs included: pyrexia and mild respiratory signs.

EQUINE INFLUENZA (EI)



CANADA

One case of equine influenza was reported in a 17-year-old Quarter Horse gelding on a premises in Ontario. Clinical signs included: cough, nasal discharge and pyrexia. Positive diagnosis was confirmed by PCR on a nasal swab.



UNITED KINGDOM

One case of equine influenza was reported in an unvaccinated non-Thoroughbred, which had recently arrived on a premises in North Yorkshire from Denmark, with one other vaccinated animal. Both animals presented with clinical signs of nasal discharge. Positive diagnosis was confirmed by PCR on a nasopharyngeal swab, taken from the unvaccinated case only.

OTHER



UNITED STATES OF AMERICA

One outbreak of respiratory disease affecting two animals was reported on a premises in Texas. Clinical signs included: pyrexia, lethargy, nasal discharge, cough and difficulty swallowing. One animal tested positive for equine rhinitis virus-B, but was negative for *Streptococcus equi*.

RHODOCOCCUS EQUI



FRANCE

Two outbreaks of *Rhodococcus equi* were reported involving single cases on separate premises in Loire Atlantique. Positive diagnoses were confirmed by tracheal washes.



NETHERLANDS

One case of *Rhodococcus equi* was reported on a premises in North Brabant. Positive diagnosis was confirmed by PCR.

STRANGLES



CANADA

Eight outbreaks of strangles were reported. Seven outbreaks involving single cases were reported on separate premises in Ontario. One outbreak involved two cases also on a premises in Ontario. Clinical signs included: abscessation, cough, enlarged lymph nodes, nasal discharge and pyrexia.



FRANCE

Seventeen outbreaks of strangles were reported. Fifteen outbreaks involved single cases on premises in: Ain, Calvados, Correza, Doubs, Haute-Garonne, Haute-Savoie, Loire Atlantique, Isere, Manche, Moselle, Pas-de-Calais, Orne and Vienne. One outbreak involved two cases on a premises in Correze. Clinical signs included: anorexia, cough, lymphadenopathy, nasal discharge, pyrexia and weakness. Positive diagnoses were confirmed by PCR on nasopharyngeal swabs, guttural pouch wash or purulent discharge.

#One case of strangles was reported after the quarter end on a premises in Indre-et-Loire. Positive diagnosis was confirmed by PCR on a nasopharyngeal swab.



GERMANY

One case of strangles was reported in a 20-year-old mare on a premises in Hesse. Positive diagnosis was confirmed by PCR and culture on a swab taken from an abscess.



NETHERLANDS

Twenty-nine outbreaks of strangles were reported on premises in: Drenthe, Friesland, Gelderland, Limburg, North Brabant, North Holland, Overijssel, Roosendaal, Tilburg and Utrecht. Positive diagnoses were confirmed by PCR.



SWEDEN

Four outbreaks of strangles were reported. One outbreak involved one case on a premises in Västra Götaland County in a pony recently imported from Denmark. Three outbreaks involved more than one case on premises in: Halland County, Kalmar County and Skåne County. Clinical signs included: pyrexia and nasal discharge.



SWITZERLAND

One case of strangles was reported on a premises in the Canton of Lucerne. Clinical signs included: submandibular and parotid lymph node abscesses. Positive diagnosis was confirmed by bacterial examination (specific test method not specified).



UNITED STATES OF AMERICA

Forty outbreaks of strangles were reported. Thirty-four involved single cases on premises in: California, Florida, Maryland, Michigan, Ohio, Rhode Island, Utah, Virginia, Washington and Wisconsin. Two outbreaks involved two cases on premises in Florida and Maryland, one outbreak involved three cases on a premises in Wisconsin, two outbreaks involved four cases on premises in Washington and Wisconsin and one outbreak involved five cases on a premises in Michigan. Clinical signs included: cough, submandibular abscesses, enlarged lymph nodes, inappetence, lethargy, nasal discharge and pyrexia.

GASTROINTESTINAL DISEASES

Country	Coronavirus	<i>Rhodococcus equi</i>	Rotavirus	Salmonellosis
Argentina	-	-	#1	-
Canada	-	-	-	1
France	-	2	1	-
Netherlands	12	-	-	6
Switzerland	2	-	-	1
USA	1	-	-	-

#some cases reported by ICC after the quarter end

CORONAVIRUS



NETHERLANDS

Twelve outbreak of coronavirus were reported, eleven involving single cases on premises in: Gelderland, North Brabant, Overijssel, South Holland and Utrecht. One outbreak involved four cases on a premises in Utrecht. Positive diagnoses were confirmed by PCR.



SWITZERLAND

Two outbreaks of coronavirus were reported on premises in the Canton of Bern. Clinical signs included diarrhoea and pyrexia. Positive diagnosis was confirmed by PCR.



UNITED STATES OF AMERICA

One case of coronavirus was reported on a premises in Sarasota County, Florida. Clinical signs included: pyrexia, inappetence and diarrhoea.

RHODOCOCCLUS EQUI



FRANCE

Two outbreaks of *Rhodococcus equi* were reported with single cases in each on separate premises in Orne. Positive diagnoses were confirmed by culture on fecal matter.

ROTAVIRUS



FRANCE

One case of Rotavirus was reported on a premises in Orne. Positive diagnosis was confirmed by PCR on a rectal swab.



#ARGENTINA

One outbreak involving two cases was reported after the quarter end in breeding stock/Thoroughbred five to 10-day-old foals on a premises in Argentina. Clinical signs included diarrhoea. Positive diagnoses were confirmed by PCR and agent isolation.

SALMONELLOSIS



CANADA

One case of *Salmonella* was reported on a premises in Quebec. Clinical signs included: colic, diarrhoea and pyrexia.



NETHERLANDS

Six outbreaks of *Salmonella* were reported, all involving single cases on premises in: Gelderland, Limburg, North Brabant. Overijssel and Utrecht. Positive diagnoses were confirmed by PCR.



SWITZERLAND

One case of *Salmonella* with a co-infection of *Clostridium spp.* was reported on a premises in the Canton of Neuchâtel. Clinical signs included: inappetence and pyrexia. Positive diagnosis was confirmed by pathogen detection.

NEUROLOGICAL DISEASES

Country	EEE	EEV	EHV-1	Halicephalobus	Rabies	WNV
Belgium	-	-	1	-	-	-
Canada	-	-	4	1	-	-
France	-	-	2	-	-	-
Netherlands	-	-	1	-	-	-
South Africa	-	#19	-	-	-	-
Sweden	-	-	1	-	-	-
USA	1	-	23	-	2	1

#some cases reported by ICC after the quarter end

EASTERN EQUINE ENCEPHALITIS (EEE)



UNITED STATES OF AMERICA

One case of EEE was reported in an unvaccinated animal recently imported on to a premises in Florida.

EQUINE ENCEPHALOSIS VIRUS (EEV)



#SOUTH AFRICA

EEV is regarded as endemic in South Africa. Cases were reported from four provinces as follows: Eastern Cape (five cases), Gauteng (11 cases), Kwa-Zulu Natal (one case) and Western Cape (two cases).

EQUINE HERPES VIRUS-1 (EHV-1) NEUROLOGICAL



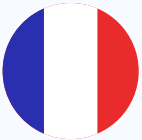
BELGIUM

One case of EHV-1 neurological disease was reported on a premises in Limburg. Clinical signs included: ataxia, bladder paralysis and a limp tail. Positive diagnosis was confirmed by PCR on a nasal swab.



CANADA

Four outbreaks of EHV-1 neurological disease, each involving single cases, were reported on premises in Ontario and Quebec. Clinical signs included: altered mental state, ataxia, bladder paralysis, cranial nerve deficits, difficulty rising, dragging hind -legs, head tilt, lethargy and pyrexia. Positive diagnoses were made by PCR on nasal swabs in two outbreaks and by PCR (no sample given) in one outbreak.



FRANCE

Two outbreaks of EHV-1 neurological disease were reported. One outbreak involved a single case in a vaccinated animal on a premises in Manche and one outbreak involved two cases in vaccinated animals also on premises in Manche. Clinical signs included: ataxia, exhaustion, paresis and recumbency. Positive diagnoses were confirmed by PCR on nasopharyngeal swabs.



NETHERLANDS

One outbreak of EHV-1 neurological disease was reported involving two cases in unvaccinated animals on a premises in Utrecht . Clinical signs included anorexia, bladder distension and paralysis. Positive diagnoses were confirmed by PCR.



SWEDEN

One case of EHV-1 neurological disease was reported on a premises in Skane county. Clinical signs included: nasal discharge, pyrexia and neurological signs. Positive diagnosis was confirmed by PCR on a nasal swab.



UNITED STATES OF AMERICA

Twenty-three outbreaks of EHV-1 neurological disease were reported. Eighteen outbreaks consisted of single cases on premises in: Indiana, Michigan, North Dakota, New York, Ohio, Pennsylvania, Virginia, Washington, Wisconsin. Two outbreaks involved two cases on premises in: Indiana and Wisconsin, two outbreaks involved three cases on premises in Tennessee and Texas and one outbreak involved six cases on premises in Elkhart, Kosciusko and LaGrange Counties, Indiana. Clinical signs included: abortion, ataxia, blindness, circling, head tilt, inappetence, incontinence, leaning, lethargy, nasal discharge, oedema, pyrexia, recumbency, seizures, stumbling, and weakness.

HALICEPHALOBUS



CANADA

One case of Halicephalobus was reported in a pony gelding recently imported from Iceland on to a premises in Quebec. Positive diagnosis was confirmed by post-mortem, including histopathology.

RABIES



UNITED STATES OF AMERICA

Two outbreaks of Rabies were reported, with single cases in each, on premises in: Tennessee and Georgia. Clinical signs included: dysphagia, inappetence, mild icterus, muscle tremors, severe laminitis and toxic mucous membrane colour with petechial haemorrhage on the gums.

WEST NILE VIRUS (WNV)



UNITED STATES OF AMERICA

One case of WNV was reported in an unvaccinated animal on a premises in South Carolina. The animal was euthanased.

MISCELLANEOUS DISEASES

Country	AHS	EIA	EGS	Glanders	Piroplasmosis	VS
Belgium	-	1	-	-	-	-
Canada	-	2	-	-	-	-
Germany	-	1	-	-	-	-
Hungary	-	1	-	-	-	-
Iraq	-	-	-	1	-	-
Ireland	-	-	-	-	1	-
Netherlands	-	-	-	-	3	-
South Africa	#38	-	-	-	#81	-
United Kingdom	-	-	1	-	-	-
USA	-	3	-	-	-	1

#some cases reported by ICC after the quarter end

AFRICAN HORSE SICKNESS (AHS)



#SOUTH AFRICA

AHS is endemic in South Africa except in the AHS controlled area in the Western Cape Province. Cases occurred and were reported in six provinces in the country. No cases occurred in the Western Cape Province which includes the AHS controlled area. Cases occurred in the following areas: Eastern Cape (13 cases), Free State (one case), Gautent (10 cases), Kwa-Zulu Natal (seven cases), Mpumalanga (four cases) and North West Province (three cases) after the quarter end.

EQUINE INFECTIOUS ANAEMIA (EIA)



BELGIUM

One case of EIA was reported on a premises in Antwerp. The case was reported to have died and the source of infection was a result of the illegal movement of animals.



CANADA

Two outbreaks of EIA were reported with single cases in each on premises in: British Columbia and Quebec.



GERMANY

One case of EIA was reported on a premises in Bavaria. The affected animal had been isolated since its movement on to the premises. Positive diagnosis was confirmed by Coggins.



HUNGARY

One case of EIA was reported on a premises in the area of Túrkeve. Positive diagnoses were confirmed by ELISA.



UNITED STATES OF AMERICA

Three outbreaks of EIA were reported. Two involving single cases on premises in: Connecticut and Texas. One outbreak involved two cases on a premises in California.

EQUINE GRASS SICKNESS (EGS)



UNITED KINGDOM

One outbreak of EGS was reported in a Thoroughbred yearling colt on a premises in North Yorkshire. Positive diagnosis was confirmed by ileal biopsy.

GLANDERS



IRAQ

One outbreak of Glanders was reported involving two cases on a premises in Baghdad. Positive diagnoses were confirmed by CFT.

PIROPLASMOSIS



IRELAND

One case of piroplamsosis was reported in a mare recently imported from Europe on to a premises in Cork. Clinical signs included: pyrexia, jaundice and abnormal urination. Positive diagnosis was confirmed by PCR and ELISA.



NETHERLANDS

Three outbreaks of piroplasmosis were reported, all involving single cases on premises in: Flevoland, North Brabant and Utrecht. Positive diagnoses were confirmed by PCR.



#SOUTH AFRICA

Piroplasmosis is regarded as endemic in South Africa and cases were reported from all provinces of South Africa as follows: *B. Caballi* cases: Gauteng (four cases), Kwa-Zulu Natal (one case), Northern Cape (one case) and North West Province (one case). *T. equi* cases: Eastern Cape (two cases), Free State (four cases), Gauteng (37 cases), Kwa-Zulu Natal (three cases), Mpumalanga (five cases), Northern Cape (six cases), North West Province (one cases), Western Cape (15 cases) and Limpopo (one case) after the quarter end.

VESICULAR STOMATITIS (VS)



UNITED STATES OF AMERICA

During the 1Q 2024, it was noted that since the start of the VS outbreak in May 2023, 319 VSV-affected premises have been identified (99 confirmed positive and 220 suspect) in three states: California, Nevada and Texas. Three hundred and nine of these premises have had only equine species clinically affected. California has had 316 affected premises (19 confirmed positive), Texas has had two affected premises and Nevada has had one affected premises. All VSV-affected premises were released from quarantine in Nevada and Texas in August 2023. Two premises in California were still under quarantine in January 2024.

ICC QUARTERLY REPORT - END

Contact us

For any further inquiries or clarifications regarding the information presented in this document, please contact EIDS



01223 766496



www.equinesurveillance.org



equinesurveillance@vet.cam.ac.uk

