



International Collating Centre Second Quarter Report Summary

April – June 2018

This article provides a summary of international infectious disease outbreaks reported during the second quarter 2018. For further details, please see the supplied supplementary documents. The ICC real-time reports can be found at <http://www.aht.org.uk/cms-display/international-breeders-meeting.html>.

The data presented in this report must be interpreted with caution, as there is likely to be some bias in the way that 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.

Each table below summarises the number of disease outbreaks reported by a country. Each reported outbreak may involve more than one animal.

Reproductive Diseases

Country	EHV-1 Abortion	EHV-1 Neonatal Infection	EHV-4 Abortion	Contagious Equine Metritis
Denmark	1	-	-	-
France	8	1	1	-
Germany	12	-	1	7
Greece	-	-	-	-
Japan	7	-	-	-
South Africa	2	-	-	-
UK	5	2	-	-
USA	2	-	-	-

EHV abortion

United Kingdom

The UK reported EHV abortions in both vaccinated and non-vaccinated mares. The majority of outbreaks involved multiple mares, with one premises experiencing three abortions and two neonatal foal deaths. Another premises experienced an EHV-1 neonatal death a few weeks after an in-contact horse was euthanased due to EHV-1 neurological disease.

Japan

EHV-1 abortions were reported in nine Thoroughbreds on seven separate premises between 5 April and 22 May 2018. Six of the horses were vaccinated.

Respiratory Diseases

Country	EHV-1 Respiratory Infection	EHV-4 Respiratory Infection	Equine Influenza	Strangles
Argentina	-	2	1	-
Belgium	10	1	-	-
France	17	59	-	-
Germany	1	1	-	6
Ireland	-	-	-	34
South Africa	-	1	-	-
Switzerland	1	1	-	-
UK	1	4	1	Endemic
Uruguay	-	-	1	-
USA	3	Endemic	Endemic	85

EHV respiratory infection

France

France's RESPE crisis team has been closely monitoring EHV outbreaks in response to the recent increased number of cases. The majority of these have been in north eastern France, with most positive cases having been individual animals affected by the respiratory form of the disease. The RESPE team feels that increased surveillance on a whole is partly responsible for the increase in numbers of positive cases being diagnosed. The crisis unit strongly encourage the maintenance of precautionary measures, with certification of good health being a minimum requirement at competitions.



USA

EHV related infection was widespread with EHV-4 primarily implicated in causing respiratory illness in foals.

Influenza

Argentina

An outbreak of EI was reported in Argentina in April and a link with the reported outbreak of EI in Chile (January 2018) was hypothesised. Animals from Chile and Argentina frequently have contact during the moves to summer pastures in areas of the Andes Mountains. The last positive case was detected on 10 July 2018 in Buenos Aires province. Sequencing confirmed that the virus belonged to the Florida Clade 1 sublineage of H3N8.

USA

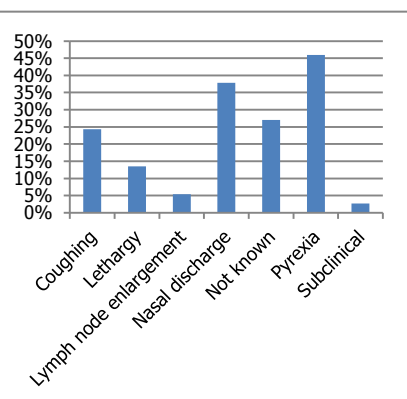
EI is endemic in the USA and was diagnosed in four states, with multiple outbreaks recorded in one state.

International

EHV Respiratory Infection: Percentage of cases displaying each reported clinical sign

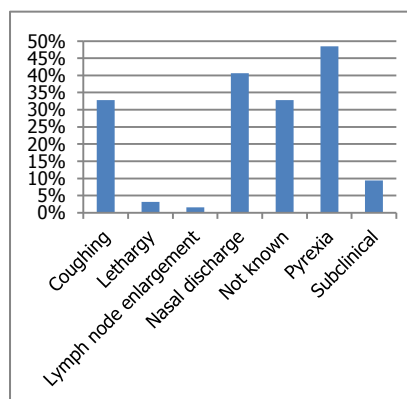
EHV-1

(n=37, cases reported in Belgium, France, Germany, Switzerland and UK)



EHV-4

(n=64, cases reported in Belgium, France and UK)



Neurological Diseases

Country	EHV-1 Neurological Disease	Eastern Equine Encephalitis	Rabies	West Nile Virus
Brazil	-	-	-	1
Denmark	2	-	-	-
France	4	-	-	-
Germany	1	-	-	-
Ireland	2	-	-	-
South Africa	-	-	-	1
USA	15	9	1	-

Rabies

USA

A case of rabies was diagnosed in a horse in Nebraska.

EHV-1 Neurological disease

Reports mainly involved single animals presenting with EHV-1 neurological disease.

USA

There were fifteen outbreaks reported with single cases of the disease in all but one of the outbreaks.

West Nile Virus

South Africa

There was an apparent decrease in cases during the expected arbovirus season in South Africa between January to June 2018, relative to 2017. In 2017 a total of 48 WNV cases were detected during the first six months of the year compared to only a single equine case reported in May 2018 in the Gauteng Province.

Miscellaneous Diseases

Country	African Horse Sickness	Equine Encephalosis	Equine Infectious Anaemia	Potomac Horse Fever
Canada	-	-	2	-
Germany	-	-	1	-
Greece	-	-	1	-
Swaziland	1	-	-	-
South Africa	Endemic	33	-	-
UK	-	-	-	-
USA	-	-	18	3

African Horse Sickness

South Africa

AHS is a controlled disease in South Africa in terms of the Animal Diseases Act 1984 (Act no 35 of 84) and therefore all outbreaks must be reported to the state veterinary services using the prescribed reporting format.

AHS occurred in most of South Africa's provinces during the second quarter of 2018. No outbreaks of AHS occurred in the Controlled Area of the Western Cape Province and if a case was to occur in the Controlled Area, it would be reported to the OIE.

EIA

International

Positive cases were mainly confirmed during routine serological screening of asymptomatic animals.

Germany

ICC were informed that the German Chief Veterinary Officer has reported to OIE that the event of EIA (see ICC Interim Report April 2018 #03) has officially been declared resolved as from 29 June 2018. The affected animal has been euthanased. The source of the outbreak remains unknown.

Equine Encephalosis

South Africa

EE was reported in the Kwa-Zulu Natal Province, Gauteng, Western Cape, West Province and in the Eastern Cape.

INTERNATIONAL THOROUGHBRED BREEDERS' FEDERATION INTERNATIONAL COLLATING CENTRE

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