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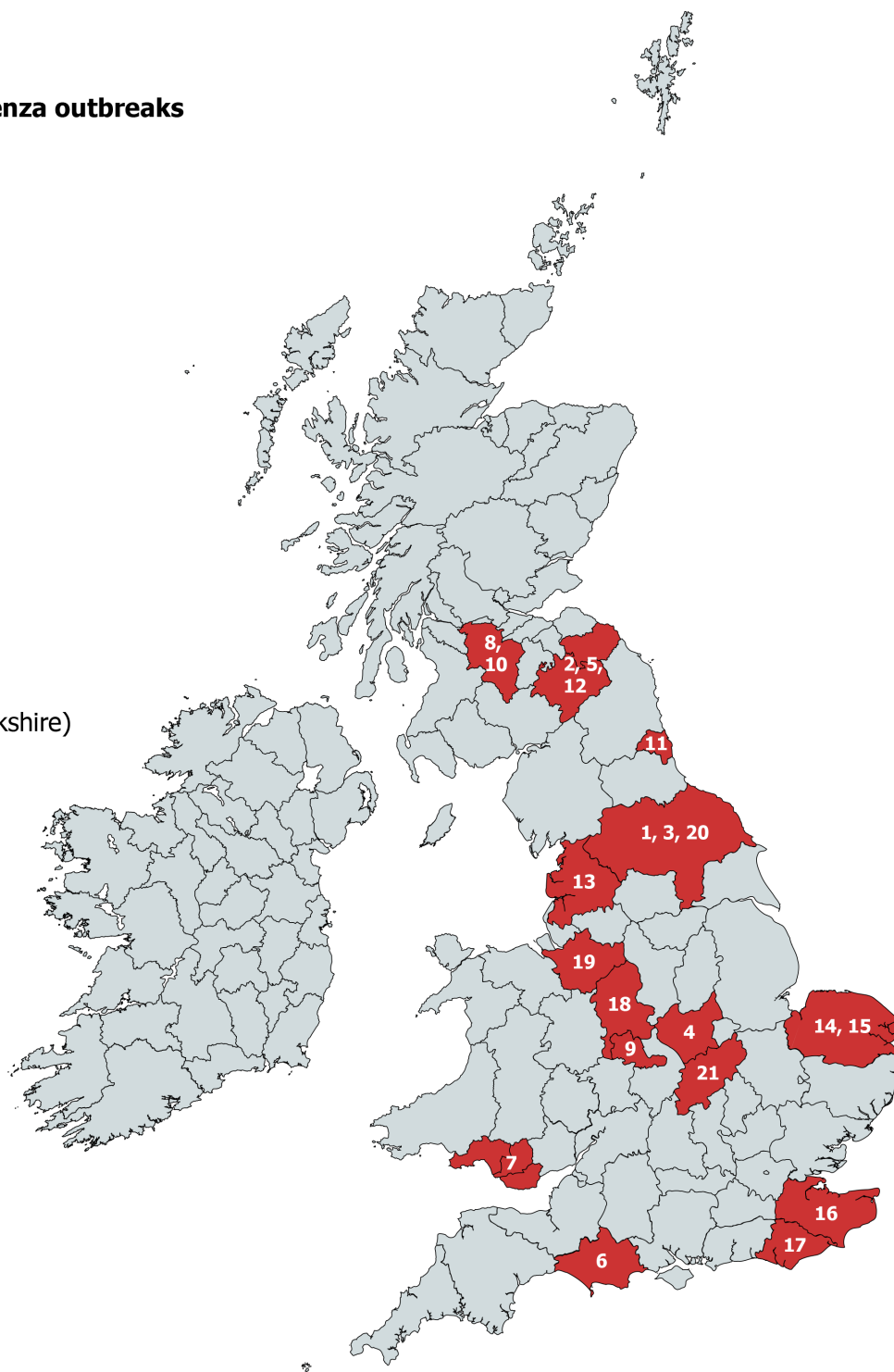
UK Equine influenza outbreaks reported in 2015



Animal *Health* Trust

2015 UK equine influenza outbreaks

1. North Yorkshire
2. Scottish Borders
3. North Yorkshire
4. Leicestershire
5. Scottish Borders
6. Dorset
7. Glamorganshire
8. South Lanarkshire
9. West Midlands
10. Lanarkshire
11. Tyne and Wear
12. Scottish Borders
13. Lancashire
14. Norfolk
15. Norfolk
16. Kent
17. East Sussex
18. Staffordshire
19. Cheshire
20. Cleveland (North Yorkshire)
21. Northamptonshire



Please note that these are laboratory confirmed **outbreaks** covering mainland UK only and that outbreaks may involve **one or more** clinically affected animals.

2015 summary:

Outbreak No.	Date	County	Vaccinated?*	Diagnosed by	Clade of virus
1	10/03/15	North Yorkshire	No	qPCR on NP swab	FC2
2	25/03/15	Scottish Borders	No	qPCR on NP swab	ND
3	08/04/15	North Yorkshire	No	qPCR on NP swab	FC2
4	22/04/15	Leicestershire	No	qPCR on NP swab	FC2
5	08/05/15	Scottish Borders	No	qPCR on NP swab	ND
6	22/06/15	Dorset	No	qPCR on NP swab	ND
7	25/06/15	Glamorganshire	No	qPCR on NP swab	ND
8	25/06/15	South Lanarkshire	No	qPCR on NP swab	FC2
9	02/07/15	West Midlands	No	qPCR on NP swab	FC2
10	02/07/15	Lanarkshire	No	qPCR on NP swab	FC2
11	07/07/15	Tyne and Wear	No	qPCR on NP swab	FC2
12	23/07/15	Scottish Borders	No	qPCR on NP swab	FC2
13	28/07/15	Lancashire	No	qPCR on NP swab	ND
14	12/08/15	Norfolk	No	qPCR on NP swab	FC2
15	04/09/15	Norfolk	No	qPCR on NP swab	ND
16	07/10/15	Kent	No	qPCR on NP swab	FC2
17	05/11/15	East Sussex	No	qPCR on NP swab	FC2
18	13/11/15	Staffordshire	No	qPCR on NP swab	ND
19	18/11/15	Cheshire	No	qPCR on NP swab	ND
20	26/11/15	Cleveland	No	qPCR on NP swab	ND
21	11/12/15	Northamptonshire	No	qPCR on NP swab	FC2

(NP = nasopharyngeal, FC2 = H3N8 Florida sub-lineage clade 2, HI = haemagglutination inhibition assay, ND = not determined)

*Vaccinated defined as either having received a full primary course (V1 + V2) and the last booster (V3 or subsequent booster) within 12 months, or as having received the primary course with at least 14 days, but no more than 215 days, since V2.

1. North Yorkshire

On 10 March 2015, AHT confirmed an outbreak of EI on a premises in North Yorkshire. The affected animal is an unvaccinated four year old Connemara mare that presented with clinical signs of pyrexia, inappetence, mild dry cough and mucopurulent nasal discharge for the preceding six days. There were three other horses affected out of 10 at the premises. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

2. Scottish Borders

On 25 March 2015, AHT confirmed an outbreak of EI on a premises in the Scottish Borders. The affected animal is an unvaccinated six year old Irish Sport Horse mare that presented with mucopurulent nasal discharge and cough for the preceding four days. There were 20 in contact horses at the premises. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

3. North Yorkshire

On 8 April 2015, AHT confirmed an outbreak of EI on a premises in North Yorkshire. The affected animal is an unvaccinated two year old Shetland pony filly that presented with dry harsh cough, serous nasal discharge, swollen lymph nodes and lethargy for the preceding three days. There were four horses affected out of 29 at the premises. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

4. Leicestershire

On 22 April 2015, AHT confirmed an outbreak of EI on a premises in Leicestershire. The affected animal is an unvaccinated six year old Irish Sport Horse mare that had recently arrived from Ireland. The mare presented with mucopurulent nasal discharge, dry cough, pyrexia, depression and enlarged lymph nodes. There were nine other horses at the premises of which none has shown signs of disease. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

5. Scottish Borders

On 08 May 2015, AHT confirmed an outbreak of EI on a premises in the Scottish Borders. The affected animal is an unvaccinated four year old Irish Sport Horse gelding that had recently been purchased from a dealer's yard after arriving from Ireland. The gelding was first noted with clinical signs of serous nasal discharge, dry cough, and enlarged lymph nodes on 30 April 2015. There were two other vaccinated horses at the premises, but neither showed signs of disease. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

6. Dorset

On 22 June 2015, AHT confirmed an outbreak of EI on a premises in Dorset. Three unvaccinated horses presented with pyrexia, dry cough, nasal discharge and inappetence. One horse was a new arrival from the Appleby horse fair three weeks earlier and had been ill since its arrival. Two further in contact vaccinated horses are at the premises, both of which appear healthy. The positive diagnoses were confirmed by PCR on a nasopharyngeal swab.

7. Glamorganshire

On 25 June 2015, AHT confirmed an outbreak of EI on a premises in Glamorganshire. The affected animal is an unvaccinated six year old gelding who presented with pyrexia, dry cough, enlarged lymph nodes, mucopurulent nasal discharge and depression. There are 50 other horses at the premises of which 10 showed signs of disease. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

8. South Lanarkshire

On 25 June 2015, AHT confirmed an outbreak of EI on a premises in South Lanarkshire. The affected animal is an unvaccinated seven year old Welsh mare that had attended a show near Edinburgh the weekend before. The mare presented with clinical signs of mucopurulent nasal discharge, cough and pyrexia. There are three in contact horses, of which none has shown signs of disease. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

9. West Midlands

On 2 July 2015, AHT confirmed an outbreak of EI on a premises in West Midlands. The affected animal is an unvaccinated 15 year old Cob that presented with dry cough, enlarged submandibular lymph nodes and serous nasal discharge for the preceding six days. There are no in contact horses. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

10. Lanarkshire

On 2 July 2015, AHT confirmed an outbreak of EI on a premises in Lanarkshire. The affected animal is an unvaccinated six year old pony mare that presented with dry cough, enlarged submandibular lymph nodes and nasal discharge three days after attending a show near Edinburgh. There are two in contact horses, of which one has shown signs of disease. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

11. Tyne and Wear

On 7 July 2015, AHT confirmed an outbreak of EI on a premises in Tyne and Wear. Four unvaccinated horses presented with dry cough and mucoid to mucopurulent nasal discharge after a new horse, also affected, arrived at the premises five days before. There are 20 horses at the premises. The positive diagnoses was confirmed by PCR on a nasopharyngeal swab.

12. Scottish Borders

On 23 July 2015, AHT confirmed an outbreak of EI on a premises in the Scottish Borders. The affected animal is an unvaccinated five year old Irish Sport Horse that presented with mild cough, serous nasal discharge and lethargy for the three preceding days. There is one in contact horse that has not shown signs of disease. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

13. Lancashire

On 28 July 2015, AHT confirmed an outbreak of EI on a premises in Lancashire. The affected animal is an unvaccinated five year old Cob that presented with productive cough, mucopurulent nasal discharge, conjunctivitis and inappetence for the preceding 24 hours. There are 20 other horses at the premises, none of which have shown signs of disease. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

14. Norfolk

On 12 August 2015, AHT confirmed an outbreak of EI on a premises in Norfolk. The affected animal is an unvaccinated 15 year old Cob that presented with mucopurulent nasal discharge and respiratory effort. There are 10 in contact horses, but no further information is available. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

15. Norfolk

On 4 September 2015, AHT confirmed an outbreak of EI on a premises in Norfolk. The affected animal is an unvaccinated two year old pony gelding that presented with mucopurulent nasal discharge and coughing, having been introduced onto the premises the day before. There are five animals reported to be affected and 12 in contact horses at the premises. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

16. Kent

On 7 October 2015, AHT confirmed an outbreak of EI on a premises in Kent. The affected animal is an unvaccinated four year old Dutch Warmblood that presented with pyrexia, cough, mucopurulent nasal discharge and enlarged lymph nodes. The horse had arrived into the UK from Holland six weeks earlier. The week before onset of signs, the horse had participated in a competition in Lincolnshire. There are 20 other, mostly vaccinated, horses at the premises of which none has shown clinical signs of disease. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

17. East Sussex

On 5 November 2015, AHT confirmed an outbreak of EI on a premises in East Sussex. The affected animal is an unvaccinated 11 year old Irish Sport Horse mare that had arrived at the premises after being imported from Ireland the week before and presented with dry harsh cough, mucopurulent nasal discharge, lethargy and limb oedema. The affected animal has been isolated. There are around 30 other horses at the premises of which none has shown clinical signs of disease. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

18. Staffordshire

On 13 November 2015, AHT confirmed an outbreak of EI on a premises in Staffordshire. The affected animal is an unvaccinated four year old Thoroughbred-cross gelding that had arrived at the premises after being imported from Ireland and presented with pyrexia, cough, mucopurulent nasal discharge, lethargy and lymph node swelling. The affected animal has been isolated and there are around 20 other horses at the premises, none of which have shown clinical signs of disease. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

19. Cheshire

On 18 November 2015, AHT confirmed an outbreak of EI on a premises in Cheshire. The affected animal is an unvaccinated seven year old gelding that presented with signs of bilateral nasal discharge, swollen lymph nodes and mild pyrexia for the previous three days. There are 10 other horses at the premises, of which none has developed signs of disease. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

20. Cleveland

On 26 November 2015, AHT confirmed an outbreak of EI on a premises in Cleveland. The affected animal is an unvaccinated four year old Irish Sport Horse mare that had arrived at the premises after being imported from Ireland, travelling with other horses. The horses presented with pyrexia, cough, mucopurulent nasal discharge and lethargy. The affected animal has been isolated. There are around 90 other horses at the premises, which are mostly up to date with vaccinations and none of which has shown clinical signs of disease. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

21. Northamptonshire

On 11 December 2015, AHT confirmed an outbreak of EI on a premises in Northamptonshire. The affected horses are unvaccinated Andalusians that arrived at the premises after being imported from Spain displaying depressed behaviour. Presenting clinical signs include nasal discharge, coughing and pyrexia. On 14 December 2015m two further cases from sampled in contact animals were confirmed. These affected horses had lapsed vaccinations, presenting with clinical signs of nasal discharge, coughing and pyrexia. Samples were unable to be obtained from another in contact, which presented with similar signs. This brings the total laboratory confirmed cases on this premises to four, plus one further probable case. Control measures have included the implementation of movement restrictions. The positive diagnoses were confirmed by PCR on nasopharyngeal swabs.