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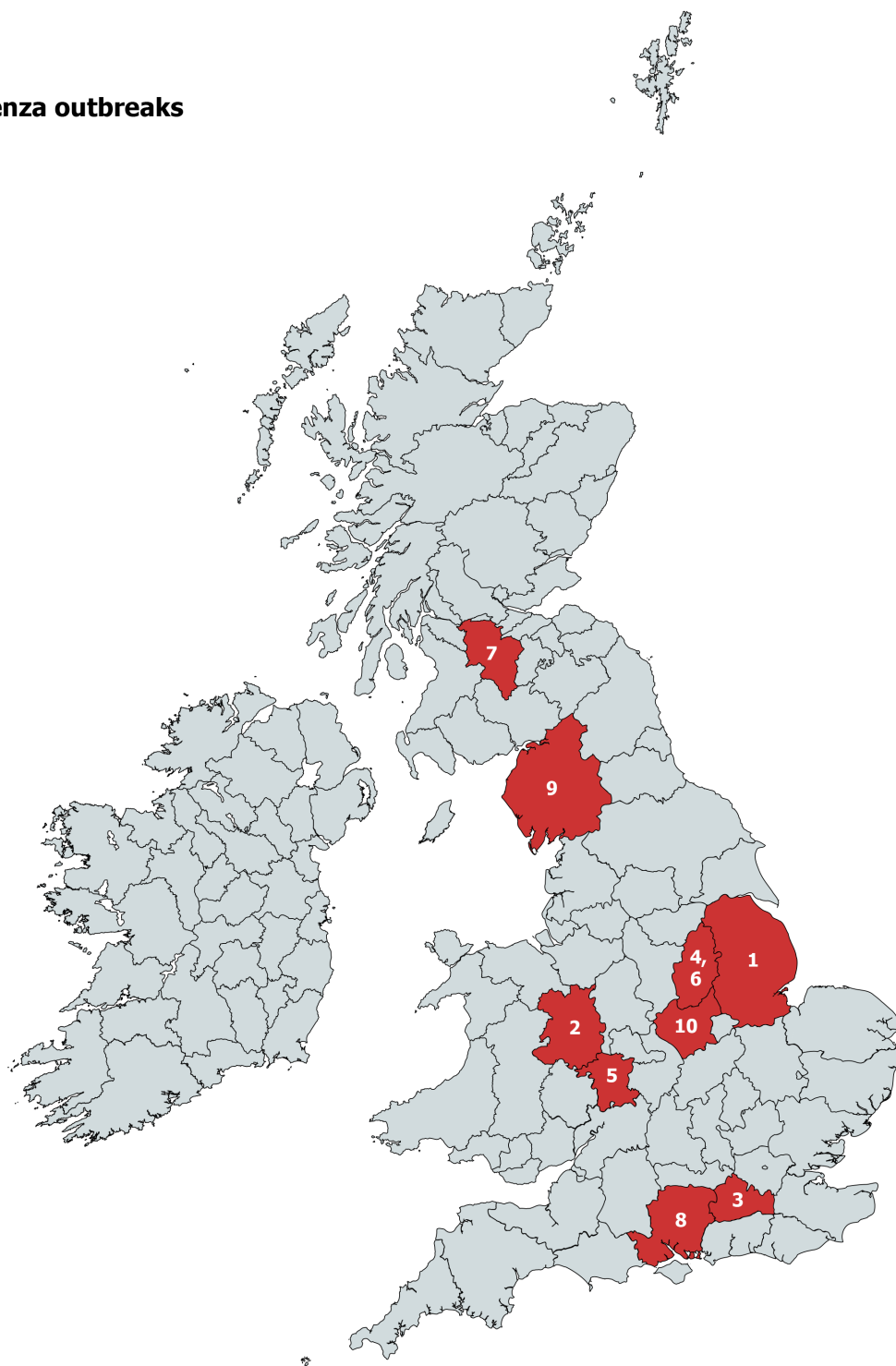
UK Equine influenza outbreaks reported in 2010



Animal *Health* Trust

2010 UK equine influenza outbreaks

1. Lincolnshire
2. Shropshire
3. Surrey
4. Nottinghamshire
5. Worcestershire
6. Nottinghamshire
7. Lanarkshire
8. Hampshire
9. Cumbria
10. Leicestershire



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

2010 summary:

Outbreak No.	Date	County	Vaccinated?*	Diagnosed by	Clade of virus
1	11/05/10	Lincolnshire	No	NP-ELISA	FC2
2	25/05/10	Shropshire	No	NP-ELISA	FC2
3	04/06/10	Surrey	No	NP-ELISA	FC2
4	13/07/10	Nottinghamshire	No	NP-ELISA	FC2
5	11/08/10	Worcestershire	No	NP-ELISA	FC2
6	12/08/10	Nottinghamshire	No	HI on serum	Unknown
7	23/08/10	Lanarkshire	No	NP-ELISA	FC2
8	01/09/10	Hampshire	No	NP-ELISA	FC2
9	03/09/10	Cumbria	No	NP-ELISA	ND
10	03/11/10	Leicestershire	No	NP-ELISA	FC2

(NP-ELISA – nucleoprotein ELISA, NP swab = nasopharyngeal swab, 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. Lincolnshire

On 11 May 2010, AHT confirmed an outbreak of EI on a premises in Lincolnshire. The affected premises is a rescue centre with a large number of horses. The source of infection is unknown as there has been no horse movement. One pony with underlying respiratory disease was euthanased. Horses with up to date vaccinations seem to be unaffected. The positive diagnoses were confirmed by NP-ELISA on nasopharyngeal swabs.

2. Shropshire

On 25 May 2010, AHT confirmed an outbreak of EI on a premises in Shropshire. The affected premises is a private yard with only four horses, all of which are unvaccinated and all are affected. The source of infection is unknown, however there has been no horse movement. The positive diagnosis was confirmed by NP-ELISA on a nasopharyngeal swab.

3. Surrey

On 4 June 2010, AHT confirmed an outbreak of EI on a premises in Surrey. The affected premises is a riding school with 30 horses. The attending vet sampled the four worst affected. The index case was bought from a dealer in Kent the week before, but tested negative by NP-ELISA. There is one vaccinated horse that is affected, which was last vaccinated with Intervet's Equilis Prequenza in February 2010. The positive diagnoses were confirmed by NP-ELISA on nasopharyngeal swabs.

4. Nottinghamshire

On 13 July 2010, AHT confirmed an outbreak of EI on a premises in Nottinghamshire. The affected animal is an unvaccinated pony in a small group of ponies, all of which are vaccinated. The case was recently moved from County Durham after being imported from Ireland. The positive diagnosis was confirmed by NP-ELISA on a nasopharyngeal swab.

5. Worcestershire

On 11 August 2010, AHT confirmed an outbreak of EI on a premises in Worcestershire. There are two affected unvaccinated ponies bought from a dealer the week before and were first to show signs but tested negative. The other ponies at the premises are all vaccinated, however one was pyrexemic. There are also two donkeys at the premises, both of which showed signs but only one tested positive. The positive diagnoses were confirmed by NP-ELISA on nasopharyngeal swabs.

6. Nottinghamshire

On 12 August 2010, AHT confirmed an outbreak of EI on a premises in Nottinghamshire. Two ponies arrived at the premises from a sale, then started coughing and were pyrexia. Swab samples from 29 July 2010 tested negative, however subsequent serum samples taken on 12 August 2010 showed seroconversion on an HI test.

7. Lanarkshire

On 23 August 2010, AHT confirmed an outbreak of EI on a premises in Lanarkshire. The affected animal is an unvaccinated horse bought from a dealer's yard after importation from Ireland. The horse started showing signs but was kept in isolation, so virus did not spread to the 30 other horses at the livery/riding stables. The positive diagnosis was confirmed by NP-ELISA on a nasopharyngeal swab.

8. Hampshire

On 1 September 2010, AHT confirmed an outbreak of EI on a premises in Hampshire. The affected horse was bought from a dealer's yard, then started showing signs. The horse was vaccinated on 20 August 2010 for the first time ever. An in contact pony was vaccinated on 1 September 2010 for the first time, but a nasopharyngeal swab sample taken on 2 September 2010 tested positive. The positive diagnoses were confirmed by NP-ELISA on nasopharyngeal swabs.

9. Cumbria

On 3 September 2010, AHT confirmed an outbreak of EI on a premises in Cumbria. The affected horse showed signs for 10 days prior to sampling. Three other horses at the premises are affected, however they were not sampled. The positive diagnosis was confirmed by NP-ELISA on a nasopharyngeal swab.

10. Leicestershire

On 3 November 2010, AHT confirmed an outbreak of EI on a premises in Leicestershire. The positive diagnosis was confirmed by NP-ELISA on a nasopharyngeal swab. No other details are available.