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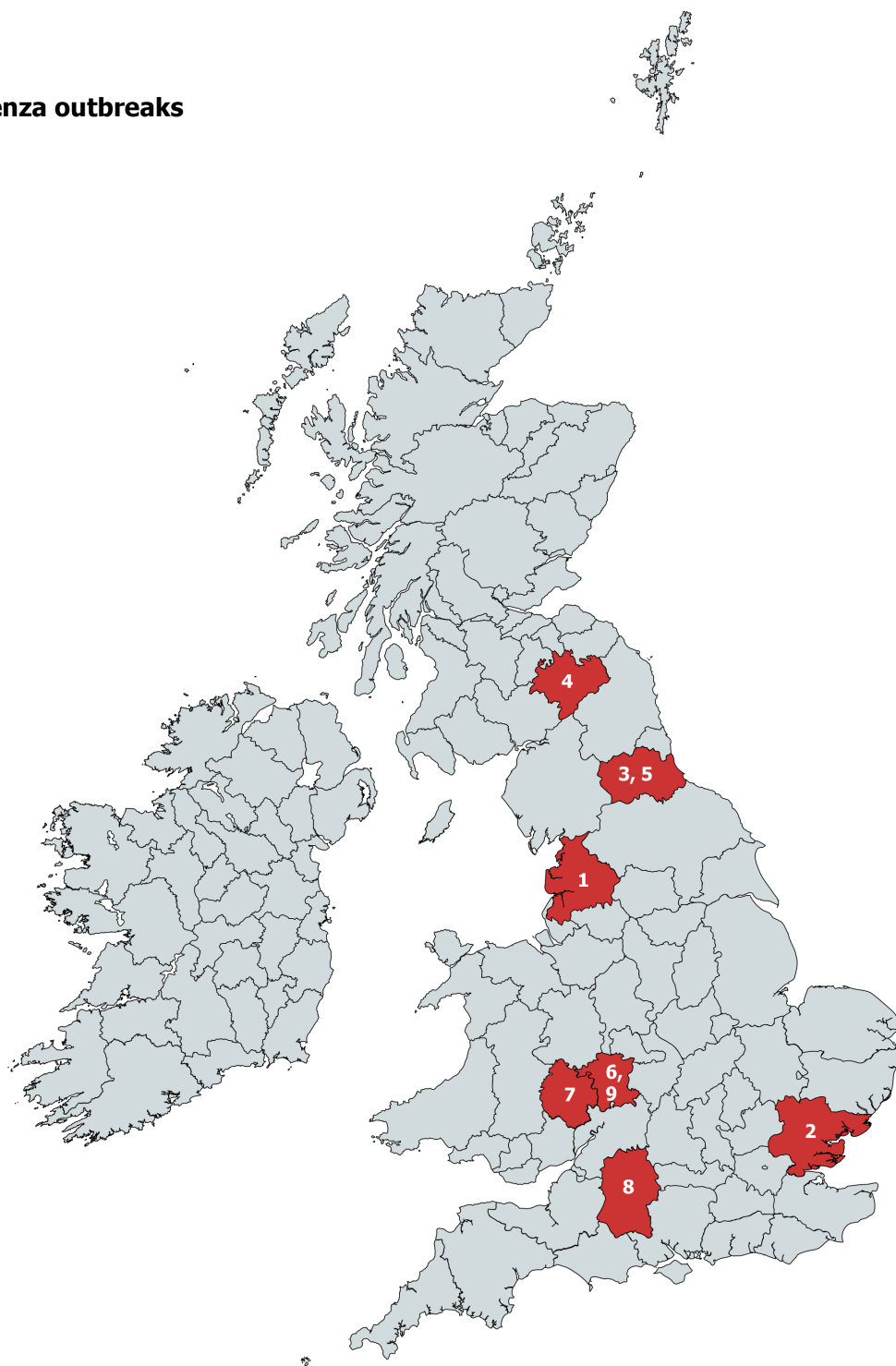
UK Equine influenza outbreaks reported in 2012



Animal *Health* Trust

2012 UK equine influenza outbreaks

1. Lancashire
2. Essex
3. County Durham
4. Roxburghshire
5. County Durham
6. Worcestershire
7. Herefordshire
8. Wiltshire
9. Worcestershire



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

2012 summary:

Outbreak No.	Date	County	Vaccinated?*	Diagnosed by	Clade of virus
1	27/04/12	Lancashire	Assumed	qPCR on NP swab	FC2
2	07/09/12	Essex	No	qPCR on NP swab	FC2
3	11/10/12	County Durham	No	qPCR on NP swab	FC2
4	06/11/12	Roxburghshire	No	qPCR on NP swab	FC2
5	19/11/12	County Durham	No	qPCR on NP swab	FC2
6	19/11/12	Worcestershire	No	qPCR on NP swab	FC2
7	19/11/12	Herefordshire	No	qPCR on NP swab	ND
8	27/11/12	Wiltshire	No	HI on serum	Unknown
9	28/11/12	Worcestershire	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. Lancashire

On 27 April 2012, AHT confirmed an outbreak of EI on a premises in Lancashire. A Thoroughbred training yard with three horses affected showing signs of intermittent nasal discharge and coughing on exercise. No pyrexia has been noted. There is some vaccination history. The positive diagnosis was confirmed by PCR on pooled nasal swab samples.

2. Essex

On 7 September 2012, AHT confirmed an outbreak of EI on a premises in Essex. Young unvaccinated horses showing signs of fever, mucopurulent nasal discharge, inappetence, increased respiratory rate, crackles over lung field and dull demeanor. The first horse presented with clinical signs two days after arriving at the premises after being imported from Ireland. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

3. County Durham

On 11 October 2012, AHT confirmed an outbreak of EI on a premises in County Durham. The affected animal is a five year old horse showing signs of coughing and nasal discharge. A new horse was introduced to the premises two weeks previously from a yard where another had shown signs. Three days after arrival the new horse showed signs of cough and nasal discharge. Three out of 11 horses are reported to be affected. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

4. Roxburghshire

On 6 November 2012, AHT confirmed an outbreak of EI on a premises in Roxburghshire. The affected animal is a six year old horse that recently arrived in Scotland from a private home in Dublin, Ireland. Six other horses were on the transporter. There are two other unvaccinated horses affected at the premises in Scotland, showing signs of coughing. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

5. County Durham

On 19 November 2012, AHT confirmed an outbreak of EI on a premises in County Durham. There are six unvaccinated Welsh ponies affected with signs including pyrexia, mucopurulent nasal discharge and coughing at rest. The outbreak is believed to have started with the recent introduction of a foal with clinical signs of respiratory disease that had been bought from a sale. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

6. Worcestershire

On 19 November 2012, AHT confirmed an outbreak of EI on a premises in Worcestershire. Ten animals are reported to be affected at a riding centre with around 50 horses and ponies. There are various clinical signs including serous nasal discharge and dry harsh cough at rest. The outbreak is believed to have started with the recent introduction of two privately purchased Gypsy ponies with clinical signs of respiratory disease, including coughing. The positive diagnoses were confirmed by PCR on nasopharyngeal swabs.

7. Herefordshire

On 19 November 2012, AHT confirmed an outbreak of EI on a premises in Herefordshire. The affected animal is a 23 year old Miniature Shetland pony with signs of mild cough and mucoid nasal discharge. The outbreak is believed to have started after the recent introduction of a six to seven month old Connemara foal recently imported from Ireland. There is a vaccinated horse at the premises which is reported to be unaffected. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

8. Wiltshire

On 27 November 2012, AHT confirmed an outbreak of EI on a premises in Wiltshire. An unvaccinated five year old Cob-cross showed signs serous nasal discharge, cough and pyrexia at a riding school of approximately 90 horses, with 11 other horses also showing signs. Two new asymptomatic horses were introduced to the premises five days before the onset of clinical signs and are thought to be the source of the infection. The positive diagnosis was confirmed by seroconversion on an HI test.

9. Worcestershire

On 28 November 2012, AHT confirmed an outbreak of EI on a premises in Worcestershire. Two unvaccinated Welsh ponies showed signs of nasal discharge and harsh dry cough. The affected premises is a small livery yard with 12-14 horses with mixed vaccination statuses. Only unvaccinated horses have shown signs. The source of infection is thought to be from a horse in a neighbouring field reported to have clinical signs. The positive diagnoses were confirmed by PCR on nasopharyngeal swabs.