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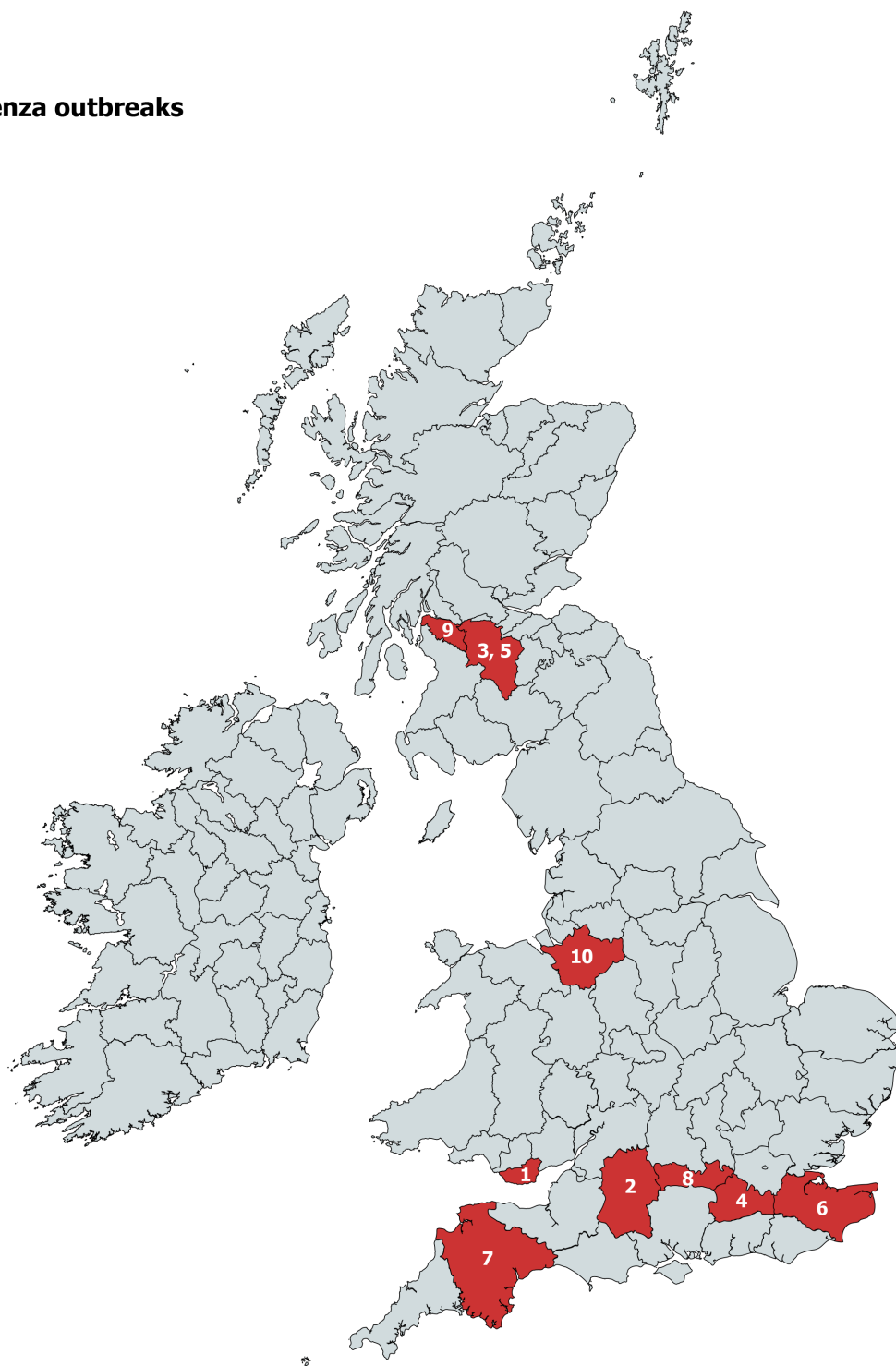
UK Equine influenza outbreaks reported in 2011



Animal *Health* Trust

2011 UK equine influenza outbreaks

1. Cardiff
2. Wiltshire
3. Lanarkshire
4. Surrey
5. Lanarkshire
6. Kent
7. Devon
8. Berkshire
9. East Renfrewshire
10. Cheshire



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

2011 summary:

Outbreak No.	Date	County	Vaccinated?*	Diagnosed by	Clade of virus
1	02/06/11	Cardiff	No	NP-ELISA	ND
2	02/08/11	Wiltshire	No	HI on serum	Unknown
3	11/08/11	Lanarkshire	No	NP-ELISA	FC2
4	17/08/11	Surrey	No	NP-ELISA	FC2
5	28/09/11	Lanarkshire	No	NP-ELISA	FC2
6	14/10/11	Kent	No	NP-ELISA	FC2
7	27/10/11	Devon	No	NP-ELISA	FC2
8	23/11/11	Berkshire	No	HI on serum	Unknown
9	01/11/11	East Renfrewshire	No	NP-ELISA	FC2
10	22/12/11	Cheshire	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. Cardiff

On 2 June 2011, AHT confirmed an outbreak of EI on a premises in Cardiff. The affected animal is a five year old riding pony that arrived at a new premises and presented with coughing, nasal discharge and pyrexia on arrival. The affected pony was isolated and no further cases have been reported. The positive diagnosis was confirmed by NP-ELISA on a nasopharyngeal swab.

2. Wiltshire

On 2 August 2011, AHT confirmed an outbreak of EI on a premises in Wiltshire. The affected animal showed clinical signs consistent with influenza infection. The positive diagnosis was confirmed by seroconversion on an HI test.

3. Lanarkshire

On 11 August 2011, AHT confirmed an outbreak of EI on a premises in Lanarkshire. The affected animal is a nine year old mare showing signs of coughing, pyrexia and mucopurulent nasal discharge for two days. The positive diagnosis was confirmed by NP-ELISA on a nasopharyngeal swab.

4. Surrey

On 17 August 2011, AHT confirmed an outbreak of EI on a premises in Surrey. The affected animal is a seven year old Cob at a livery yard showing signs of both slight serous and profuse mucopurulent nasal discharge, anorexia, coughing and pyrexia. The positive diagnosis was confirmed by NP-ELISA on a nasopharyngeal swab.

5. Lanarkshire

On 28 September 2011, AHT confirmed an outbreak of EI on a premises in Lanarkshire. The affected animal is a five month old filly showing signs of pyrexia, cough, mucopurulent nasal discharge and tachypnoea for three days before sampling. The positive diagnosis was confirmed by NP-ELISA on a nasopharyngeal swab.

6. Kent

On 14 October 2011, AHT confirmed an outbreak of EI on a premises in Kent. The affected animal is a four year old Irish gelding showing signs of mild coughing, mucoid nasal discharge and pyrexia. The positive diagnosis was confirmed by NP-ELISA on a nasopharyngeal swab.

7. Devon

On 27 October 2011, AHT confirmed an outbreak of EI on a premises in Devon. The affected animal is a mare and foal sanctuary with many horses affected showing a range of clinical signs from coughing and nasal discharge to severe malaise and possible early stage bronchio-pneumonia. The positive diagnosis was confirmed by NP-ELISA on a nasopharyngeal swab.

8. Berkshire

On 23 November 2011, AHT confirmed an outbreak of EI on a premises in Berkshire. Two hunt horses are affected showing signs of bilateral purulent nasal discharge, pyrexia, dull demeanor, inappetence and hacking cough. The source of infection is thought to be a horse that temporarily visited the yard. The positive diagnoses were confirmed by seroconversion on an HI test.

9. East Renfrewshire

On 1 November 2011, AHT confirmed an outbreak of EI on a premises in East Renfrewshire. The affected animals are a four year old gelding and a three year old stallion showing signs of mucopurulent nasal discharge, swollen lymph nodes and inappetence for a week. The last movement onto the DIY livery yard was 10 days previously. The positive diagnoses were confirmed by NP-ELISA on nasopharyngeal swabs.

10. Cheshire

On 22 December 2011, AHT confirmed an outbreak of EI on a premises in Cheshire. The affected animal is a Thoroughbred showing signs of nasal discharge, inappetence and pyrexia, three days after arrival at a training yard. There are six in contacts, four of which are vaccinated and have shown no signs of disease. The remaining two, which are affected, include a foal. The positive diagnosis was confirmed by NP-ELISA on a nasopharyngeal swab.