Equine influenza outbreaks reported in 2019

UPDATE: 26 June 2019

New in this update:
- Outbreaks confirmed in Staffordshire (24/06/19) and Surrey (second outbreak on 19/06/19 #130)
June 2019:

<table>
<thead>
<tr>
<th>Outbreak No.</th>
<th>Date</th>
<th>County</th>
<th>Vaccinated?</th>
<th>Diagnosed by</th>
<th>Clade of virus</th>
</tr>
</thead>
<tbody>
<tr>
<td>102</td>
<td>03/06/19</td>
<td>Essex</td>
<td>YES</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
</tr>
<tr>
<td>103</td>
<td>04/06/19</td>
<td>Swansea</td>
<td>No</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
</tr>
<tr>
<td>104</td>
<td>04/06/19</td>
<td>Sussex</td>
<td>No</td>
<td>qPCR on NP swab</td>
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</tr>
<tr>
<td>105</td>
<td>04/06/19</td>
<td>Suffolk</td>
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<td>Ongoing</td>
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<td>106</td>
<td>05/06/19</td>
<td>Cambridgeshire</td>
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<td>qPCR on NP swab</td>
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<tr>
<td>107</td>
<td>05/06/19</td>
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</tr>
<tr>
<td>108</td>
<td>05/06/19</td>
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<td>No</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
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<tr>
<td>109</td>
<td>05/06/19</td>
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<td>qPCR on NP swab</td>
<td>Ongoing</td>
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<tr>
<td>111</td>
<td>07/06/19</td>
<td>Leicestershire</td>
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<td>Ongoing</td>
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<tr>
<td>112</td>
<td>10/06/19</td>
<td>Central Scotland</td>
<td>No</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
</tr>
<tr>
<td>113</td>
<td>11/06/19</td>
<td>Cumbria</td>
<td>No</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
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<tr>
<td>114</td>
<td>11/06/19</td>
<td>Staffordshire</td>
<td>No</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
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<tr>
<td>115</td>
<td>12/06/19</td>
<td>Cheshire</td>
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<td>qPCR on NP swab</td>
<td>Ongoing</td>
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<tr>
<td>116</td>
<td>13/06/19</td>
<td>Monmouthshire</td>
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<td>qPCR on NP swab</td>
<td>Ongoing</td>
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<tr>
<td>117</td>
<td>13/06/19</td>
<td>Cardiff</td>
<td>No</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
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<tr>
<td>118</td>
<td>13/06/19</td>
<td>Cardiff</td>
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<td>qPCR on NP swab</td>
<td>Ongoing</td>
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<tr>
<td>119</td>
<td>14/06/19</td>
<td>Herefordshire</td>
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<td>qPCR on NP swab</td>
<td>Ongoing</td>
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<tr>
<td>120</td>
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<td>No</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
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<td>121</td>
<td>14/06/19</td>
<td>Carmarthenshire</td>
<td>No</td>
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<td>Ongoing</td>
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<tr>
<td>122</td>
<td>17/06/19</td>
<td>Manchester</td>
<td>No</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
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<tr>
<td>123</td>
<td>17/06/19</td>
<td>Sussex</td>
<td>No</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
</tr>
<tr>
<td>124</td>
<td>18/06/19</td>
<td>West Midlands</td>
<td>No</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
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<tr>
<td>125</td>
<td>18/06/19</td>
<td>Tyne &amp; Wear</td>
<td>No</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
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<tr>
<td>126</td>
<td>18/06/19</td>
<td>County Durham</td>
<td>No</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
</tr>
<tr>
<td>127</td>
<td>18/06/19</td>
<td>Swansea</td>
<td>No</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
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<tr>
<td>128</td>
<td>19/06/19</td>
<td>Somerset</td>
<td>Unconfirmed</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
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<tr>
<td>129</td>
<td>19/06/19</td>
<td>Surrey</td>
<td>No</td>
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<td>Ongoing</td>
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<tr>
<td>130</td>
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<td>Surrey</td>
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<tr>
<td>131</td>
<td>19/06/19</td>
<td>County Durham</td>
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<td>qPCR on NP swab</td>
<td>Ongoing</td>
</tr>
<tr>
<td>132</td>
<td>20/06/19</td>
<td>County Durham</td>
<td>No</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
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<tr>
<td>133</td>
<td>20/06/19</td>
<td>County Durham</td>
<td>No</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
</tr>
<tr>
<td>134</td>
<td>20/06/19</td>
<td>West Yorkshire</td>
<td>YES</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
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<tr>
<td>135</td>
<td>21/06/19</td>
<td>County Durham</td>
<td>No</td>
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<td>136</td>
<td>21/06/19</td>
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<td>qPCR on NP swab</td>
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<tr>
<td>137</td>
<td>24/06/19</td>
<td>Cumbria</td>
<td>No</td>
<td>qPCR on NP swab</td>
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<tr>
<td>138</td>
<td>24/06/19</td>
<td>County Durham</td>
<td>No</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
</tr>
<tr>
<td>139</td>
<td>24/06/19</td>
<td>Tyne &amp; Wear</td>
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<tr>
<td>140</td>
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<td>Ongoing</td>
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<tr>
<td>141</td>
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<td>South Lanarkshire</td>
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<td>142</td>
<td>24/06/19</td>
<td>Staffordshire</td>
<td>No</td>
<td>qPCR on NP swab</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>

(NP = nasopharyngeal, FC1 = H3N8 Florida sub-lineage clade 1, HI = haemagglutination inhibition assay, ND = not determined)

Where infection has been confirmed in vaccinated animals, the appropriate vaccine manufacturers and the Veterinary Medicines Directorate will be made aware by the treating vet. If a vet has a suspect case of EI in a vaccinated animal, we encourage sampling to confirm infection, however, suspect cases on yards with confirmed EI should also be reported to vaccine manufacturers.
142. Staffordshire
On 24 June 2019, AHT confirmed an outbreak of EI on a premises in Staffordshire. The laboratory confirmed positive is an unvaccinated non-Thoroughbred with clinical signs of coughing and nasal discharge. There are 15 in contacts of unknown vaccination status that are reported not to have had no clinical signs to date. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

141. South Lanarkshire
On 24 June 2019, AHT confirmed an outbreak of EI on a premises in South Lanarkshire. The laboratory confirmed positive is an unvaccinated non-Thoroughbred with clinical signs of nasal discharge and pyrexia. There are 11 vaccinated in contacts that have been closely monitored, including temperature monitoring and they have had no clinical signs to date. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab. Voluntary movement restrictions have been instigated.

140. Somerset
On 24 June 2019, AHT confirmed an outbreak of EI on a premises in Somerset. The one laboratory confirmed positive is an unvaccinated non-Thoroughbred with clinical signs of coughing, nasal discharge, pyrexia and lethargy. There are 5 vaccinated in contacts that have been closely monitored, including temperature monitoring and they have had no clinical signs to date. The positive diagnosis was confirmed by PCR on nasopharyngeal swabs. Voluntary movement restrictions have been instigated.

139. Tyne and Wear
On 24 June 2019, AHT confirmed an outbreak of EI on a premises in Tyne and Wear. The laboratory confirmed positive is an unvaccinated non-Thoroughbred with clinical signs of coughing, nasal discharge, pyrexia and lethargy. There are around 30 in contacts in the region, with mixed vaccination status. Positive diagnoses were confirmed by PCR on nasopharyngeal swabs.

138. County Durham
On 24 June 2019, AHT confirmed an outbreak of EI on a premises in County Durham. The two laboratory confirmed positives are unvaccinated non-Thoroughbreds with clinical signs of coughing, nasal discharge, lethargy and pyrexia. There are reports that horses in the vicinity recently returned from an event in Cumbria and that other horses have had signs consistent with EI. There are around 30 in contacts in the region, with mixed vaccination status. Positive diagnoses were confirmed by PCR on nasopharyngeal swabs.

137. Cumbria
On 24 June 2019, AHT confirmed an outbreak of EI on a premises in Cumbria. The laboratory confirmed positive is an unvaccinated non-Thoroughbred that had clinical signs of coughing, nasal discharge, inappetence and lymphadenopathy. There are two unvaccinated in contacts and one of these has been coughing. The positive diagnosis was confirmed by PCR on nasopharyngeal swab. Voluntary movement restrictions have been instigated.

136. Hertfordshire
On 21 June 2019, AHT confirmed an outbreak of EI on a premises in Hertfordshire. The one laboratory confirmed positive is an unvaccinated non-Thoroughbred with clinical signs of coughing, nasal discharge and pyrexia. Five horses, including the laboratory positive, were recent new arrivals, having been purchased from an event in Cumbria and most have clinical signs. There are around 30 in contacts of mixed vaccination status. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab. Voluntary movement restrictions have been instigated.

135. County Durham
On 21 June 2019, AHT confirmed an outbreak of EI on a premises in Durham. The three laboratory confirmed positives are unvaccinated non-Thoroughbreds with clinical signs of coughing, nasal discharge and pyrexia. There are 25 in contact and 10 in total have clinical signs so far. There are two vaccinated
horses, one is clinically normal to date. The other has previously received the first two vaccines in its primary course and has very mild nasal discharge but no other signs, including no pyrexia. A horse on the premises recently returned from an event in Cumbria. Positive diagnoses were confirmed by PCR on a nasopharyngeal swab. Voluntary movement restrictions have been instigated.

134. West Yorkshire
On 20 June 2019, AHT confirmed an outbreak of EI on a premises in West Yorkshire. The laboratory confirmed positive is a vaccinated non-Thoroughbred with clinical signs of coughing, nasal discharge and pyrexia. There is one in contact and it had received a booster vaccination a few months ago and remains clinically normal to date. There has been no movement of horses on or off the premises recently and there are no horses in the vicinity. There are reports that personnel had contact with a horse displaying nasal discharge on a separate premises. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab. Voluntary movement restrictions have been instigated.

133. County Durham
On 20 June 2019, AHT confirmed an outbreak of EI on a premises in Durham. The laboratory confirmed positive is an unvaccinated non-Thoroughbred that had clinical signs of coughing, nasal discharge and pyrexia. This outbreak is in close proximity to another previously reported outbreak. There are 60 in contacts with mixed vaccination status, the majority are unvaccinated. There are reports of at least eight other horses on this premises displaying clinical signs. The positive diagnosis was confirmed by PCR on nasopharyngeal swab. Voluntary movement restrictions have been instigated.

132. County Durham
On 20 June 2019, Axiom confirmed an outbreak of EI on a premises in County Durham. The laboratory confirmed positive is an unvaccinated non-Thoroughbred and was a recent new arrival in the preceding week. It has clinical signs of coughing, nasal discharge and pyrexia. There are around 40 in contacts, of which the majority are vaccinated. There are reports of in contacts with clinical signs too. The positive diagnosis was confirmed by PCR on nasopharyngeal swab. Voluntary movement restrictions have been instigated.

131. County Durham
On 19 June 2019, AHT confirmed an outbreak of EI on a premises in Durham. The laboratory confirmed positive is an unvaccinated non-Thoroughbred with clinical signs of coughing. There are around 30 in contacts that have a mixed vaccination status. There is one other unvaccinated horse reported to have clinical signs. A direct vaccinated in contact is reported to be clinically normal to date. Multiple horses on the premises regularly attend equine events. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab.

130. Surrey
On 19 June 2019, AHT confirmed an outbreak of EI on a premises in Surrey. The laboratory confirmed positive is an unvaccinated non-Thoroughbred with clinical signs of coughing, nasal discharge and pyrexia. There are seven in contacts that have been vaccinated within the last 6 months and all are clinically normal (including daily temperature monitoring) to date. The positive case was a new arrival in the preceding week and developed clinical signs a week after arrival. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab. Voluntary movement restrictions have been instigated.

129. Surrey
On 19 June 2019, AHT confirmed an outbreak of EI on a premises in Surrey. The laboratory confirmed positive is an unvaccinated non-Thoroughbred with clinical signs of coughing, nasal discharge and pyrexia. There are 20 in contacts, of which the majority are unvaccinated. There are reports of seven in contacts with clinical signs but these have not had laboratory sampling performed. One of these was reported to have been vaccinated over 6 months ago and clinical signs have been milder than those in the unvaccinated horses. The positive diagnosis was confirmed by PCR on nasopharyngeal swab. Voluntary movement restrictions have been instigated.
128. Somerset
On 19 June 2019, AHT confirmed an outbreak of EI on a premises in Somerset. The three laboratory confirmed positives are non-Thoroughbreds, two are unvaccinated and one has an unconfirmed vaccination status. Clinical signs including coughing, nasal discharge and pyrexia. There are around 100 horses on the premises of mixed vaccinated status and there are reports of other horses with clinical signs. There has been a recent new arrival in the preceding week. Positive diagnoses were confirmed by PCR on a nasopharyngeal swab.

127. Swansea
On 18 June 2019, AHT confirmed an outbreak of EI on a premises in Swansea. The four laboratory confirmed positives are unvaccinated non-Thoroughbreds with clinical signs of coughing, nasal discharge and pyrexia. There are around 50 horses on the premises of which the majority are unvaccinated. There are multiple horses with clinical signs. This premises has regular movement of horses to other premises and events in the last few weeks. Positive diagnoses were confirmed by PCR on a nasopharyngeal swab.

126. County Durham
On 18 June 2019, Axiom confirmed an outbreak of EI on a premises in Durham. The laboratory confirmed positive is an unvaccinated non-Thoroughbred that had clinical signs of coughing, nasal discharge and pyrexia. There are reports that a horse on the premises recently returned from an event in Cumbria, but this horse has been reported to have not displayed any clinical signs. There are 70 in contacts with mixed vaccination status. The positive diagnosis was confirmed by PCR on nasopharyngeal swab. Voluntary movement restrictions have been instigated.

125. Tyne and Wear
On 18 June 2019, AHT confirmed an outbreak of EI on a premises in Tyne and Wear. The laboratory confirmed positive is an unvaccinated non-Thoroughbred foal that presented with coughing, nasal discharge and pyrexia. The premises had a horse recently return from an event in Cumbria, that developed clinical signs shortly after arrival back at the home premises. There are two in-contact foals, which also have clinical signs and all three foals are receiving antimicrobial treatment and remain stable. Their mares are also affected and there are reports of at least a few other in contacts with clinical signs. There are over 200 unvaccinated in contacts. The positive diagnosis was confirmed by PCR on nasopharyngeal swab.

124. West Midlands
On 18 June 2019, AHT confirmed an outbreak of EI on a premises in West Midlands. The one laboratory confirmed case is an unvaccinated non-Thoroughbred that presented with coughing, nasal discharge and pyrexia. There has been a new arrival on the premises in preceding week. There are 3 unvaccinated in contacts and all have clinical signs. The positive diagnosis was by PCR on a nasopharyngeal swab.

123. Sussex
On 17 June 2019, AHT confirmed an outbreak of EI on a premises in Sussex. The three laboratory confirmed positives are unvaccinated non-Thoroughbreds that had recently returned from an event in Cumbria. They have clinical signs of coughing, nasal discharge and pyrexia. There are 15 in contacts, of which the majority are vaccinated. Positive diagnoses were confirmed by PCR on nasopharyngeal swabs. Voluntary movement restrictions have been instigated.

122. Manchester
On 17 June 2019, AHT confirmed an outbreak of EI on a premises in Manchester. The laboratory confirmed positive is an unvaccinated non-Thoroughbred that had recently returned from an event in Cumbria. It has clinical signs of coughing, nasal discharge and pyrexia. There are 15 in contacts, of which the majority are vaccinated. There are reports of a few in contacts with clinical signs. The positive diagnosis was confirmed by PCR on nasopharyngeal swab. Voluntary movement restrictions have been instigated.
121. Carmarthenshire
On 14 June 2019, AHT confirmed an outbreak of EI on a premises in Carmarthenshire. The one laboratory confirmed positive is an unvaccinated non-Thoroughbred with clinical signs of coughing, nasal discharge and pyrexia. Five horses, including the laboratory positive, were recent new arrivals, having been purchased from a sale. There are a further ten in contacts of unreported vaccination status and all horses on the premises have clinical signs. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab. Voluntary movement restrictions have been instigated.

120. Swansea
On 14 June 2019, AHT confirmed an outbreak of EI on a premises in Swansea. The two laboratory confirmed positives are unvaccinated non-Thoroughbreds with clinical signs of coughing, nasal discharge and pyrexia. There are over 20 horses on the premises of which only three are vaccinated. There are multiple horses with clinical signs, but the vaccinated horses are clinically normal to date. There have been new arrivals in the last few weeks. Positive diagnoses were confirmed by PCR on a nasopharyngeal swab. Voluntary movement restrictions have been instigated.

119. Herefordshire
On 14 June 2019, AHT confirmed an outbreak of EI on a premises in Herefordshire. The one laboratory confirmed case is an unvaccinated non-Thoroughbred that presented with clinical signs of cough, nasal discharge and pyrexia. There are 4 unvaccinated in contacts, of which three also have clinical signs. The positive diagnosis was by PCR on a nasopharyngeal swab.

118. Cardiff
On 13 June 2019, Axiom confirmed an outbreak of EI on a premises in Cardiff. The one laboratory confirmed positive by PCR on nasopharyngeal swab is an unvaccinated non-Thoroughbred with clinical signs of coughing, nasal discharge and pyrexia. There are two unvaccinated in contacts also reported to be showing clinical signs. Voluntary movement restrictions have been instigated.

117. Cardiff
On 13 June 2019, Axiom confirmed an outbreak of EI on a separate premises in Cardiff. The one laboratory confirmed positive by PCR on nasopharyngeal swab is an unvaccinated non-Thoroughbred with clinical signs of coughing, nasal discharge and pyrexia. There is one unvaccinated in contact and it is also reported to be showing clinical signs. Voluntary movement restrictions have been instigated.

116. Monmouthshire
On 13 June 2019, Axiom confirmed an outbreak of EI on a premises in Monmouthshire. The one laboratory confirmed positive by PCR on nasopharyngeal swab is an unvaccinated non-Thoroughbred with clinical signs of coughing, nasal discharge and pyrexia. There are no in contacts. Voluntary movement restrictions have been instigated.

115. Cheshire
On 12 June 2019, AHT confirmed an outbreak of EI on a premises in Cheshire. The laboratory confirmed positive is an unvaccinated non-Thoroughbred with clinical signs of coughing, nasal discharge and pyrexia. There are over 20 horses on the premises, with mixed vaccination status and there are reports of multiple horses with clinical signs. There have been new arrivals in the last few weeks. The positive diagnosis was confirmed by PCR on a nasopharyngeal swab. Voluntary movement restrictions have been instigated.

114. Staffordshire
On 11 June 2019, AHT confirmed a case of EI on a premises in Staffordshire. The one laboratory confirmed case, which was positive by PCR on nasopharyngeal swab, is an unvaccinated non-Thoroughbred with clinical signs of mucopurulent nasal discharge, coughing, pyrexia, swollen lymph nodes and conjunctivitis. The affected animal had been purchased one week previously from another premises in England.
113. Cumbria
On 11 June 2019, AHT confirmed an outbreak of EI at an event in Cumbria. The two laboratory confirmed cases, which were both positive by PCR on nasopharyngeal swabs, are unvaccinated non-Thoroughbreds that presented with cough, nasal discharge and pyrexia. There are reports of several other clinically affected horses at the event.

112. Central Scotland
On 10 June 2019, AHT confirmed an outbreak of EI on a premises in Central Scotland. The one laboratory confirmed case, which was positive by PCR on nasopharyngeal swab, is an unvaccinated non-Thoroughbred with clinical signs of mucopurulent nasal discharge, coughing and pyrexia. The affected horse was a very recent arrival on the premises having originated in the Netherlands more than a week previously and spending time on another premises in England.

111. Leicestershire
On 7 June 2019, AHT confirmed an outbreak of EI on a premises in Leicestershire. The one laboratory confirmed case is an unvaccinated non-Thoroughbred that presented with clinical signs of cough, nasal discharge and pyrexia. There are around 40 other horses on the premises that are largely vaccinated and no other clinical cases have so far been reported. The positive diagnosis was by PCR on a nasopharyngeal swab.

110. Essex
On 5 June 2019, AHT confirmed an outbreak of EI on a premises in Essex. The two laboratory confirmed cases are both unvaccinated non-Thoroughbreds demonstrating clinical signs that included dry harsh cough, nasal discharge, lethargy and conjunctivitis. One of the two cases had been acquired without isolation from another premises the week before. Both positive diagnoses were by PCR on nasopharyngeal swabs.

109. Swansea
On 5 June 2019, AHT confirmed an outbreak of EI on a premises in Swansea. The two laboratory confirmed cases, which were positive by PCR on nasopharyngeal swabs, are both lapsed vaccinated. One is a Thoroughbred and one a non-Thoroughbred with clinical signs of mucopurulent nasal discharge and coughing. This premises is in close proximity to another premises that has had a confirmed outbreak of EI recently. There are a total of 10 in contacts, with mixed vaccination status, none of which have shown any clinical signs to date.

108. Swansea
On 5 June 2019, AHT confirmed an outbreak of EI in Swansea. Four cases reported among 20 animals, the one laboratory confirmed case is a non-Thoroughbred of unknown vaccination status that presented with cough, nasal discharge and pyrexia. Positive diagnoses were by PCR on nasopharyngeal swabs.

107. Swansea
On 5 June 2019, AHT confirmed an outbreak of EI in Swansea. Two cases, one Thoroughbred and one non-Thoroughbred, reported among 12 animals; both laboratory confirmed cases are lapsed vaccinated and clinical signs included cough, nasal discharge and enlarged lymph nodes. Positive diagnoses were by PCR on nasopharyngeal swabs.

106. Cambridgeshire
On 5 June 2019, AHT confirmed an outbreak of EI involving two neighbouring premises in Cambridgeshire, with five laboratory confirmed cases on one premise and one on the other. All cases are unvaccinated non-Thoroughbreds demonstrating clinical signs that variously included coughing, nasal discharge, pyrexia, lethargy, inappetance and enlarged lymph nodes. Positive diagnoses were all by PCR on nasopharyngeal swabs.

105. Suffolk
On 4 June 2019 AHT confirmed an outbreak of EI on a premises in Suffolk, involving three unvaccinated non-Thoroughbred horses that presented with cough, nasal discharge and pyrexia. Positive diagnoses were
confirmed by PCR on a nasopharyngeal swab from one of the affected horses.

104. Sussex
On 4 June 2019, AHT confirmed an outbreak of EI on a premises in Sussex, involving unvaccinated non-Thoroughbred mares and young stock. Few further details are available at this stage. Positive diagnoses were confirmed by PCR on nasopharyngeal swabs from several affected horses.

103. Swansea
On 4 June 2019, AHT confirmed an outbreak of EI on a premises in Swansea. The one laboratory confirmed case, which was positive by PCR on nasopharyngeal swab, is an unvaccinated non-Thoroughbred that presented with cough, nasal discharge and pyrexia. There are reports of several other clinically affected horses on the premises.

102. Essex
On 3 June 2019, AHT confirmed an outbreak of EI on a premises in Essex. The one laboratory confirmed positive by PCR on nasopharyngeal swab is a vaccinated Thoroughbred with clinical signs of mucopurulent nasal discharge at time of veterinary examination but reported during the preceding week with signs of coughing, serous nasal discharge, fever and inappetance. There are several unvaccinated in contact animals also reported showing clinical signs. Voluntary movement restrictions have been instigated.

Outbreaks of EI in Europe
There has been an increase in equine influenza activity reported in Europe. Multiple outbreaks were reported in Northern France at the end of December, whilst positive diagnoses have been made since the beginning of 2019 in France, Belgium, Germany, Ireland, Italy the Netherlands, Denmark and Sweden.
Outbreaks of EI in Africa

Nigeria
On 20 February 2019, ProMED reported further information on an outbreak of EI in Nigeria that was first reported by OIE in January 2019. There are now more than 3000 equines infected, with reports from the World Organisation for Animal Health (OIE) suggesting the outbreak is a symptom of the unregulated global movement and trading of donkeys for their skins.

International animal welfare charity The Donkey Sanctuary has warned of a potential disease epidemic in West Africa, following reports from partners in neighbouring countries Mali and Ghana of donkeys showing similar characteristics of the disease, including fever and nasal discharge. As a member of the OIE’s consultative group International Coalition for Working Equids, The Donkey Sanctuary is taking steps to alert at-risk countries of the threats of an equine influenza epidemic and to offer support to governments and donkey-owning communities to help with the situation, including distributing critical information to communities on how to prevent further spread of the disease. At the same time, the charity is imploring the at-risk countries to immediately prohibit movement of donkeys along trade routes and to tackle illegal movements. With regards to the wider trading of donkeys for their skins, The Donkey Sanctuary believes the biosecurity threats and risk of disease spread are also heightened in such an unregulated and global trade - both in live animals and skin products. It believes the trade must halt until there is evidence to demonstrate that the trade is humane, sustainable and free from the risk of the spread of disease.

Senegal
On 8 April 2019, the OIE reported two outbreaks of EI in Dakar and Diourbel. There have been 3,651 cases reported and two deaths out of a susceptible population of 130,253. It was thought that the source of the outbreak was either:

• Contact with infected animal(s) at grazing/watering
• Fomites (humans, vehicles, feed, etc.)
• Airborne spread

Stray donkeys are the main animals affected and are reported to play a role in spreading the disease as well as the groupings at weekly markets and watering points. Confirmation of the serotype is pending. Positive diagnoses were confirmed by reverse-transcription-PCR. The following control measures are in place:

• Surveillance outside containment and/or protection zone
• Surveillance within containment and/or protection zone
• Quarantine
• Disinfection
• Ante and post-mortem inspections
• Vaccination permitted (if a vaccine exists)
• No treatment of affection animals
• Movement control inside the country