

## About this dossier

**Output on:** 2021/02/01 11:23  
(Europe/Luxembourg)

**Status:** closed (submitted)

**Created:** 2020/03/20 16:23

**Last updated:** 2020/04/29 15:23

## Eradication: Final report for Avian Influenza 2019

For each approved annual or multi-annual programme Member States shall submit to the Commission by the 30 April each year an annual detailed technical and financial report covering the previous year. That report shall include the results achieved and a detailed account of eligible costs incurred (Art 14 of Regulation (EU) No 652/2014).

This form is for information only, no submission possible.

ID: 20200320-728T3F8R

**Country code:** UK

### Reporting period

**From:** 2019

**To:** 2019

**Year of implementation:** 2019

## 1. Technical implementation of the programme

### 1.1 Description and evaluation of the evolution of the epidemiological situation, the technical implementation of the activities foreseen under the programme and the cost-effectiveness of the programme.

Evaluation of the epidemiological situation for AI (reverse chronological order)

#### Poultry

There were no outbreaks of Highly Pathogenic Avian Influenza (HPAI) reported in the UK during 2019. In December 2019, LPAI H5N3 was identified in a broiler breeder site in the east of England. All stock was destroyed and the premises underwent full cleansing and disinfection and extensive epidemiological investigations were conducted. No further H5N3 cases were identified, and the data supports indirect/direct introduction from wild birds, and not undisclosed maintenance in poultry populations. A link to the epidemiological report is attached to this document.

There were two cases of LPAI identified from statutory investigations in November 2019 in the north of England. Both cases were identified as LPAI H6N5 with likelihood of introduction from a wild bird source.

There were no outbreaks of HPAI reported in the UK during 2018. Across Europe, HPAI (H5N8) was reported in Bulgaria, and H5N6 in Sweden, the Netherlands and Germany.

On 13th September 2017 the UK declared OIE country freedom from Avian Influenza, 3 months after the cleansing and disinfection to OIE standards had been completed on all infected poultry premises. A total of

twelve outbreaks of Highly Pathogenic Avian Influenza H5N8 were confirmed in the United Kingdom in 2017. The gamebird cluster (IP's 5, 7 and 9) were part of the same commercial enterprise and direct epidemiological links were identified between them. All other outbreaks were considered as separate incursions via wild birds (please see epidemiological reports in section 1.3). In summary:

- 03/06/2017 Infected premises (IP13) - a non-commercial premises in south Norfolk (east England) with 35 chickens and geese
- 06/05/2017 (IP12) - a non-commercial premises in Lancashire (north east England) with seven chickens and two ducks.
- 04/05/2017 (IP11) - a non-commercial premises in Lancashire (north west England) with 34 chickens
- 23/02/2017 (IP10) - a commercial sheep farm with a backyard flock of 32 hens in Northumberland (north east England)
- 14/02/2017 (IP9) - a broiler-breeder rearing premises in Suffolk (eastern England) with 28,000 birds
- 30/01/2017 (IP8) - a large commercial game bird breeding and rearing enterprise in north west England, close to IP5 and IP7, with 25,000 pheasants, 23,000 partridges 14,000 ducks and 600 other birds.
- 27/01/2017 (IP7) - a commercial, contract pheasant breeding premises, located close to IP5 in north west England, with 700 pheasants
- 26/01/2017 (IP6) - a commercial intensive brooding and fattening turkey premises in Lincolnshire (north east England), with 19,000 turkey stags
- 24/01/2017 (IP5) - a commercial game-rearing premises in Lancashire (north west England) with 10,000 pheasants
- 16/01/2017 (IP4) - a commercial turkey fattening premises in Fulstow (north east England) with a flock of 6,640 turkeys
- 06/01/2017 (IP3) - a residential premises in Settle (north east England) with a backyard flock of ten chickens and seven ducks
- 3/01/2017 [IP2] - a smallholding in Carmarthen (south Wales) with a backyard flock of six chickens and nineteen ducks.

Previous year: On 6th December 2016 Avian Influenza Prevention Zones (AIPZ) were introduced across England, Scotland and Wales to introduce enhanced biosecurity measures, in order to decrease the potential risk of direct/indirect contact between poultry and infected wild birds. An AIPZ was also created in Northern Ireland on 23rd December 2016.

In January 2016, H5N1 (European lineage) LPAI was disclosed on a broiler breeder premises in Fife (west Scotland). In December 2016, the first outbreak of Highly Pathogenic Avian Influenza (HPAI) H5N8 was confirmed in a seasonal commercial turkey flock in Lincolnshire (north east England); this proved to be the first in a number of cases and was detected close to the start of the seasonal circulation of this virus in Europe. All the outbreaks in 2016 were considered to be independent events resulting from a primary incursion from wild birds.

Between 2010 and 2015 there were just three outbreaks of notifiable avian influenza (NAI) in poultry in the UK:

- H7N7 HPAI on a laying hen premises in Lancashire (north west England) during July 2015
- H7N7 LPAI on a broiler breeder premises in Hampshire (southern England) during February 2015.
- H5N8 HPAI in breeder ducks on one premises in Yorkshire (north east England) during November 2014

## Wild Birds

In 2019, 816 wild birds were tested under the scheme. Of these, 22 were influenza A positive; with one LPAI H5N3 detected in one unspecified duck in July 2019, and LPAI H5N2 detected in four mallards in September 2019. All others were H5 negative. There were no HPAI detections in wild birds in 2019. All N-typing costs were met by UK budgets and are not included in the reimbursement claim.

In 2018, HPAI H5N6-positive wild birds were found in 21 different locations across GB, with a total of 128 H5N6-positive birds. Multiple submissions arose from one site and several sites had multiple positive birds across several species. The geographical spread of positive birds was from around England but there was also a positive submission from Wales, and a buzzard and two greylag geese from Northern Ireland (NI). Thus the total for the UK was 131 positive birds from 23 locations. The H5N6- positive wild bird findings in NI were as follows:

23/03/2018 - one buzzard found in Co Antrim.

15/06/2018 - one wild greylag goose found in Co Armagh.

29/06/2018 - one wild greylag goose found in Co Armagh.

The last H5N6-positive wild birds identified in the UK were the greylag geese from Northern Ireland in June 2018. Seventeen different species were affected, mainly swans, geese, ducks and birds of prey. One wild bird case in 2018 was positive for LPAIV H5N8 (mute swan) while 12 other birds were influenza A-positive (M gene-positive) but H5-negative.

In 2017 in GB there were findings of H5N8-positive wild birds in 18 different locations, and a total of 27 H5N8 positive birds (some submissions had multiple positive birds from one site). The H5N8 epizootic was a continuation of that from 2016, and the geographical spread of positive birds found were mainly from the

south of England, but there were also positive submissions from Wales, and three swans and a Chinese goose from Northern Ireland (thus the total for the UK was 31). The last H5N8 positive bird identified was a mute swan from Norfolk in July 2017. Fifteen different species were affected, mainly swans, wigeon, geese and birds of prey. Two cases in 2017 were influenza A positive (M gene positive); but H5 negative.

In December 2016, there were seven findings of HPAI H5N8 in wild birds across GB. Four cases were single findings; and in 3 cases, multiple dead birds were confirmed positive. All positive wild bird cases in 2016 were found in waterfowl apart from one which was a peregrine falcon (in Scotland). Four cases in 2016 were influenza A positive (M gene positive); H5 negative. The N typing costs were met by UK budgets and are not included in the reimbursement claim (table 3).

Eurasian lineage H5N1 HPNAI has not been detected from wild birds in the UK since January/February 2008 in southern England. During the course of this incident (2008) virus was detected from a total of ten Mute swans and one Canada goose within the 3km Wild Bird Control Area. No evidence of spread to the local poultry population was detected. During 2015 in Northern Ireland, there was a detection of influenza A viral RNA (by M gene RRT-PCR testing) in a faeces sample from a wild duck. H5 LPAI infection was identified following H5 RRT-PCR and HA cleavage site sequencing. N1 RRT-PCR was also attempted and was negative. The sample was considered relatively weak and attempted isolation was therefore not considered viable. The bird was found dead in good condition, with wounds suggestive of predation in October 2015, and the H5 LPAI infection was considered likely to be an incidental finding.

### Avian Influenza Poultry Survey

In 2019, eight of the 278 submissions across GB and NI yielded non negative results. All were H5 positive on initial serology, but all were H5 PCR negative on follow-up testing and epi investigation, indicating that any infection was historical.

- 10/07/2019 – a duck layer premises in the South West of England.
- 25/09/2019 – a goose layer premises in the east of England
- 02/10/2019 – a duck fattener premises in Northern Ireland
- 21/11/2019 – a chicken layer premises in the North of England
- 05/12/2019 – a duck table egg premises in Scotland
- 10/12/2019 – a duck layer premises in Northern Ireland
- 11/12/2019 – a duck fattener premises in the North of England
- 11/12/2019 – a goose fattener premises in the South West of England (no follow-up testing as whole flock had been slaughtered and is a seasonal producer).

In 2018, of the 300 poultry and game bird submissions made under the poultry survey scheme, there were three submissions that were non-negative on principal testing:

- 18/05/2018 – a free-range breeding duck premises in Norfolk, East of England. Ducks showed H5 antibodies.
- 02/08/2018 – laying duck premises also in Norfolk, East of England. H5 antibodies were found in the ducks.
- 30/11/2018 – mixed ducks and quail premises in Wiltshire, South West England following the detection of H5 antibodies in the ducks (table egg layers).

All cases were followed up with a full statutory investigation and further H5 PCR tests were negative.

In 2017, of the 297 poultry and game submissions made under the poultry survey scheme, there were three submissions that were non-negative on principal testing:

- 26/06/17- a mixed poultry premises with laying ducks and chickens in Cheshire, north west England. Domestic ducks showed H5 antibodies
- 21/07/17 – a duck premises in Lincolnshire, north east England. Ducks showed H5 antibodies
- 15/12/17 – a mixed poultry, game sheep and pig premises in Warwickshire, in the midlands of England. H5 antibodies were found in serological samples taken from the geese.

All cases were followed up with a full statutory investigation and further PCR tests were negative.

In 2016 there were a total of 5 non-negative submissions made under the survey. Ducks (table egg layers from a premises in the Scottish Borders) showed antibodies to H7. Geese from farms in the East of England, and ducks from a farm in Scotland showed antibodies to H5. In each case the findings were followed up with a full epidemiological investigation and further testing where poultry remained. All final results were negative.

In 2015 there were no detections of antibodies to AI viruses of subtypes H5 and H7 during the course of the annual AI survey in poultry flocks in the UK. Over the longer term (2010-2015) there have been detections from a small number of all the flocks sampled (range: 0-8 flocks). This comprises an average of approximately five flocks per annum, or ~1% of all flocks sampled each year. Each year all holdings/flocks with an H5 or H7 serological reactor (by HI test) were followed up, including a veterinary visit, further field investigations, sampling and testing. None of the further tests showed positive results for H5 or H7 AI virus indicating the absence of active infection on these premises. In summary:

- 2015 - there were no H5 or H7 antibody detections during the 2015 poultry survey.
- 2014 - there were no H5 or H7 antibody detections during the 2014 poultry survey.

- 2013 - antibodies to avian influenza virus subtype H5 were detected from a total of four duck premises, with no antibodies for H7 detected from any sampled flocks.
- 2012 - antibodies to avian influenza virus subtype H5 were detected from a total of 8 premises, with antibodies for H7 also detected from one of these premises.
- 2011 - antibodies to avian influenza viruses of subtypes H5 and H7 were detected from a total of five premises. (three duck premises were identified as showing a serological response against H5, and one duck and one goose flock were identified as having a serological response to H7)
- 2010 - antibodies to avian influenza virus subtype H5 were detected from three duck premises and one game duck site.

To maximise cost-effectiveness of the programme, certain measures are implemented. For wild bird screening, only birds meeting certain criteria are sampled (EFSA target species, or mass mortalities). Samples are screened for influenza A and only those that are positive receive further characterisation. For virus isolation, swabs are pooled (a fully validated test) to decrease the number of tests further. For poultry screening, we utilise a risk-based approach, the data for which is refreshed yearly according to UK poultry data. This ensures that our targeting is as accurate as possible.

## **1.2 Details on the level of achievement of the targets set in the approved programme and technical difficulties.**

### Section 1.2

In 2019, 278 surveys were completed successfully and uneventfully, 89% of the total target figure of 312. The risk-based algorithm ensured that birds within higher risk premises were targeted for sampling. Once the highest risk tier was exhausted, sampling was continued until all identified eligible premises in the highest risk locations were accomplished. This approach meant that sampling carried greater significance, and over-sampling of lower-risk premises was avoided. In addition, nine statutory investigations were completed (excluding epidemiological follow-up to non-negative survey results) and seven testing-to-exclude investigations which together complements the survey and strengthens the UK AI surveillance strategy. A total of 4460 domestic animals were sampled, and 6846 H5 HAIT and 4451 H7 HAIT tests were performed; the total costs of each were within the budget set within the 2019 plan.

A total of 816 wild birds were sampled, which was lower than the estimated 1200. This was probably because there were no HPAI events affecting wild birds in the UK as seen in 2016, 2017 and 2018. The exchange rate set by the European Central Bank on 31/03/2020 (the last working day of March) has been used in this assessment.

### **1.3 Epidemiological maps for infection and other relevant data on the disease/activities (information on serotypes involved,...) (Please attach files of data using the PDF attachment feature) Use the textbox below to provide clarifications for the maps you attach, if needed.**

The epidemiological assessment relating to the LPAI H5N3 poultry case is attached as a PDF document and contains the epidemiological maps along with the measures taken and overall assessment.

The map used to calculate and identify the High Priority Surveillance areas for the Avian Influenza survey in poultry is attached as a PDF. This is refreshed yearly to ensure that we capture any changes in the demographic of poultry keeping and incorporate new risks.

The PDF map showing the distribution of wild birds tested and those with positive outcomes (some are multiple birds from the same site) is attached.

Epidemiological assessments and reports for Avian Influenza across Europe and incursion risk into the UK published on gov.uk in 2019 can also be found here:

[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/862077/ai-epi-report-jan-2020.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/862077/ai-epi-report-jan-2020.pdf)

[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/821261/uoahpai-europe.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/821261/uoahpai-europe.pdf)

[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/772995/hpai-europe-update-20190121.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/772995/hpai-europe-update-20190121.pdf)

## **2. TECHNICAL IMPLEMENTATION OF THE PROGRAMME ON AVIAN INFLUENZA**

**VERY IMPORTANT:** Please fill out the following tables with figures corresponding to measures performed during the implementing period (1/1 to 31/12).

In the column "Total number of samples taken", please put 0 if the same samples have already been counted for another laboratory analysis (example : for HI-H5 and HI-H7 test, only 1 sample should be counted).

**Table A - POULTRY HOLDINGS SAMPLED : SEROLOGICAL INVESTIGATION ACCORDING TO ANNEX I TO COMMISSION DECISION 2010/367/EU**

Poultry category	NUTS2 Code	Total number of holdings	Total number of holdings sampled	Number of samples per holding	Total number of samples taken	Methods of laboratory analysis	Total number of tests performed per method
Chicken breeders	UKD1	1	1	40	40	HI test for H5	40
Chicken breeders	UKD1	1	1	0	0	HI test for H7	40
Chicken breeders	UKD4	12	1	10	10	HI test for H5	10
Chicken breeders	UKD4	12	1	0	0	HI test for H7	10
Chicken breeders	UKF3	46	3	13	40	HI test for H5	40
Chicken breeders	UKF3	46	3	0	0	HI test for H7	40
Chicken breeders	UKH1	112	1	40	40	HI test for H5	40
Chicken breeders	UKH1	112	1	0	0	HI test for H7	40
Chicken breeders	UKJ2	17	1	10	10	HI test for H5	10
Chicken breeders	UKJ2	17	1	0	0	HI test for H7	10
Chicken breeders	UKK4	31	1	30	30	HI test for H5	30
Chicken breeders	UKK4	31	1	0	0	HI test for H7	30
Chicken breeders	UKN0	3	3	10	30	HI test for H5	30
Chicken breeders	UKN0	3	3	0	0	HI test for H7	30
Laying hens	UKD4	45	3	10	30	HI test for H5	30
Laying hens	UKD4	45	3	0	0	HI test for H7	30
Laying hens	UKD7	5	1	10	10	HI test for H5	10
Laying hens	UKD7	5	1	0	0	HI test for H7	10
Laying hens	UKE1	38	6	18	105	HI test for H5	105
Laying hens	UKE1	38	6	0	0	HI test for H7	105
Laying hens	UKE2	22	4	15	61	HI test for H5	71
Laying hens	UKE2	22	4	0	0	HI test for H7	61
Laying hens	UKE3	9	1	12	12	HI test for H5	12
Laying hens	UKE3	9	1	0	0	HI test for H7	12
Laying hens	UKF1	29	1	10	10	HI test for H5	10
Laying hens	UKF1	29	1	0	0	HI test for H7	10
Laying hens	UKF3	56	4	15	55	HI test for H5	55
Laying hens	UKF3	56	4	0	0	HI test for H7	55
Laying hens	UKG1	23	2	10	20	HI test for H5	20
Laying hens	UKG1	23	2	0	0	HI test for H7	20
Laying hens	UKG2	34	1	10	10	HI test for H5	10
Laying hens	UKG2	34	1	0	0	HI test for H7	10
Laying hens	UKG3	5	1	10	10	HI test for H5	10
Laying hens	UKG3	5	1	0	0	HI test for H7	10
Laying hens	UKH1	122	7	11	75	HI test for H5	75
Laying hens	UKH1	122	7	0	0	HI test for H7	75
Laying hens	UKH3	26	1	10	10	HI test for H5	10
Laying hens	UKH3	26	1	0	0	HI test for H7	10
Laying hens	UKJ1	44	1	21	21	HI test for H5	21
Laying hens	UKJ1	44	1	0	0	HI test for H7	21
Laying hens	UKJ2	21	4	10	40	HI test for H5	50
Laying hens	UKJ2	21	4	0	0	HI test for H7	40
Laying hens	UKJ4	31	2	10	20	HI test for H5	20
Laying hens	UKJ4	31	2	0	0	HI test for H7	20

Laying hens	UKK1	26	3	10	30	HI test for H5	30
Laying hens	UKK1	26	3	0	0	HI test for H7	30
Laying hens	UKK3	21	1	20	20	HI test for H5	20
Laying hens	UKK3	21	1	0	0	HI test for H7	20
Laying hens	UKK4	29	2	15	30	HI test for H5	30
Laying hens	UKK4	29	2	0	0	HI test for H7	30
Laying hens	UKM6	8	1	10	10	HI test for H5	10
Laying hens	UKM6	8	1	0	0	HI test for H7	10
Laying hens	UKM7	16	1	20	20	HI test for H5	20
Laying hens	UKM7	16	1	0	0	HI test for H7	20
Laying hens	UKN0	12	12	13	156	HI test for H5	153
Laying hens	UKN0	12	12	0	0	HI test for H7	153
Duck breeders	UKD4	2	1	20	20	HI test for H5	40
Duck breeders	UKD4	2	1	0	0	HI test for H7	20
Duck breeders	UKF1	2	1	20	20	HI test for H5	40
Duck breeders	UKF1	2	1	0	0	HI test for H7	20
Duck breeders	UKF3	9	2	20	40	HI test for H5	80
Duck breeders	UKF3	9	2	0	0	HI test for H7	40
Duck breeders	UKH1	8	1	40	40	HI test for H5	80
Duck breeders	UKH1	8	1	0	0	HI test for H7	40
Duck breeders	UKH3	4	1	20	20	HI test for H5	40
Duck breeders	UKH3	4	1	0	0	HI test for H7	20
Duck breeders	UKK2	7	1	20	20	HI test for H5	40
Duck breeders	UKK2	7	1	0	0	HI test for H7	20
Duck breeders	UKK4	3	1	20	20	HI test for H5	40
Duck breeders	UKK4	3	1	0	0	HI test for H7	20
Fattening ducks	UKE1	5	4	20	80	HI test for H5	160
Fattening ducks	UKE1	5	4	0	0	HI test for H7	80
Fattening ducks	UKE2	4	2	20	40	HI test for H5	100
Fattening ducks	UKE2	4	2	0	0	HI test for H7	40
Fattening ducks	UKF1	1	1	20	20	HI test for H5	40
Fattening ducks	UKF1	1	1	0	0	HI test for H7	20
Fattening ducks	UKF2	2	2	20	40	HI test for H5	80
Fattening ducks	UKF2	2	2	0	0	HI test for H7	40
Fattening ducks	UKF3	12	8	20	160	HI test for H5	320
Fattening ducks	UKF3	12	8	0	0	HI test for H7	160
Fattening ducks	UKH1	28	10	20	200	HI test for H5	400
Fattening ducks	UKH1	28	10	0	0	HI test for H7	200
Fattening ducks	UKH3	3	2	20	40	HI test for H5	80
Fattening ducks	UKH3	3	2	0	0	HI test for H7	40
Fattening ducks	UKJ2	2	1	20	20	HI test for H5	40
Fattening ducks	UKJ2	2	1	0	0	HI test for H7	20
Fattening ducks	UKK3	8	3	20	60	HI test for H5	120
Fattening ducks	UKK3	8	3	0	0	HI test for H7	60
Fattening ducks	UKK4	6	1	20	20	HI test for H5	40
Fattening ducks	UKK4	6	1	0	0	HI test for H7	20
Fattening ducks	UKN0	2	2	42	84	HI test for H5	152
Fattening ducks	UKN0	2	2	0	0	HI test for H7	79
Farmed game birds (waterfowl)	UKD4	8	3	20	60	HI test for H5	120
Farmed game birds (waterfowl)	UKD4	8	3	0	0	HI test for H7	60

Farmed game birds (waterfowl)	UKE2	15	1	20	20	HI test for H5	40
Farmed game birds (waterfowl)	UKE2	15	1	0	0	HI test for H7	20
Farmed game birds (waterfowl)	UKF1	4	1	20	20	HI test for H5	40
Farmed game birds (waterfowl)	UKF1	4	1	0	0	HI test for H7	20
Farmed game birds (waterfowl)	UKG1	2	1	20	20	HI test for H5	40
Farmed game birds (waterfowl)	UKG1	2	1	0	0	HI test for H7	20
Farmed game birds (waterfowl)	UKH1	11	2	20	40	HI test for H5	80
Farmed game birds (waterfowl)	UKH1	11	2	0	0	HI test for H7	40
Farmed game birds (waterfowl)	UKK4	8	2	20	40	HI test for H5	80
Farmed game birds (waterfowl)	UKK4	8	2	0	0	HI test for H7	40
Duck breeders - Table Egg Layers	UKE3	1	1	26	26	HI test for H5	52
Duck breeders - Table Egg Layers	UKE3	1	1	0	0	HI test for H7	26
Duck breeders - Table Egg Layers	UKF1	5	2	20	40	HI test for H5	80
Duck breeders - Table Egg Layers	UKF1	5	2	0	0	HI test for H7	40
Duck breeders - Table Egg Layers	UKF2	6	1	20	20	HI test for H5	40
Duck breeders - Table Egg Layers	UKF2	6	1	0	0	HI test for H7	20
Duck breeders - Table Egg Layers	UKF3	4	2	20	40	HI test for H5	80
Duck breeders - Table Egg Layers	UKF3	4	2	0	0	HI test for H7	40
Duck breeders - Table Egg Layers	UKH1	10	1	20	20	HI test for H5	40
Duck breeders - Table Egg Layers	UKH1	10	1	0	0	HI test for H7	20
Duck breeders - Table Egg Layers	UKJ2	6	2	20	40	HI test for H5	80
Duck breeders - Table Egg Layers	UKJ2	6	2	0	0	HI test for H7	40
Duck breeders - Table Egg Layers	UKJ4	9	3	20	60	HI test for H5	120
Duck breeders - Table Egg Layers	UKJ4	9	3	0	0	HI test for H7	60
Duck breeders - Table Egg Layers	UKK1	7	1	20	20	HI test for H5	60
Duck breeders - Table Egg Layers	UKK1	7	1	0	0	HI test for H7	20
Duck breeders - Table Egg Layers	UKK4	4	3	20	60	HI test for H5	120
Duck breeders - Table Egg Layers	UKK4	4	3	0	0	HI test for H7	60
Duck breeders - Table Egg Layers	UKL1	8	3	20	60	HI test for H5	120
Duck breeders - Table Egg Layers	UKL1	8	3	0	0	HI test for H7	60
Duck breeders - Table Egg Layers	UKM5	4	1	20	20	HI test for H5	40
Duck breeders - Table Egg Layers	UKM5	4	1	0	0	HI test for H7	20
Duck breeders - Table Egg Layers	UKM6	2	2	20	40	HI test for H5	100
Duck breeders - Table Egg Layers	UKM6	2	2	0	0	HI test for H7	40
Duck breeders - Table Egg	UKM7	2	1	20	20	HI test for H5	40

Layers							
Duck breeders - Table Egg Layers	UKM7	2	1	0	0	HI test for H7	20
Duck breeders - Table Egg Layers	UKN0	2	2	32	63	HI test for H5	118
Duck breeders - Table Egg Layers	UKN0	2	2	0	0	HI test for H7	62
Geese breeders	UKH1	5	2	20	40	HI test for H5	80
Geese breeders	UKH1	5	2	0	0	HI test for H7	40
Geese breeders	UKK4	4	1	20	20	HI test for H5	40
Geese breeders	UKK4	4	1	0	0	HI test for H7	20
Geese breeders	UKN0	2	2	40	80	HI test for H5	160
Geese breeders	UKN0	2	2	0	0	HI test for H7	80
Fattening geese	UKC1	1	1	20	20	HI test for H5	40
Fattening geese	UKC1	1	1	0	0	HI test for H7	20
Fattening geese	UKF1	1	1	20	20	HI test for H5	40
Fattening geese	UKF1	1	1	0	0	HI test for H7	20
Fattening geese	UKF2	3	2	20	40	HI test for H5	80
Fattening geese	UKF2	3	2	0	0	HI test for H7	40
Fattening geese	UKG1	2	2	20	40	HI test for H5	80
Fattening geese	UKG1	2	2	0	0	HI test for H7	40
Fattening geese	UKG2	1	1	20	20	HI test for H5	40
Fattening geese	UKG2	1	1	0	0	HI test for H7	20
Fattening geese	UKH1	11	3	20	60	HI test for H5	140
Fattening geese	UKH1	11	3	0	0	HI test for H7	60
Fattening geese	UKJ1	3	1	20	20	HI test for H5	40
Fattening geese	UKJ1	3	1	0	0	HI test for H7	20
Fattening geese	UKJ2	2	1	20	20	HI test for H5	40
Fattening geese	UKJ2	2	1	0	0	HI test for H7	20
Fattening geese	UKK2	4	3	20	60	HI test for H5	120
Fattening geese	UKK2	4	3	0	0	HI test for H7	60
Fattening geese	UKK3	6	2	20	40	HI test for H5	80
Fattening geese	UKK3	6	2	0	0	HI test for H7	40
Fattening geese	UKK4	5	3	20	60	HI test for H5	120
Fattening geese	UKK4	5	3	0	0	HI test for H7	60
Fattening geese	UKL1	1	1	20	20	HI test for H5	40
Fattening geese	UKL1	1	1	0	0	HI test for H7	20
Geese breeders - Table Egg Layers	UKH1	6	1	20	20	HI test for H5	60
Geese breeders - Table Egg Layers	UKH1	6	1	0	0	HI test for H7	20
Geese breeders - Table Egg Layers	UKH3	2	1	20	20	HI test for H5	40
Geese breeders - Table Egg Layers	UKH3	2	1	0	0	HI test for H7	20
Geese breeders - Table Egg Layers	UKM5	2	1	20	20	HI test for H5	40
Geese breeders - Table Egg Layers	UKM5	2	1	0	0	HI test for H7	20
Farmed game birds (gallinaceous) - Partridges	UKE2	3	1	10	10	HI test for H5	10
Farmed game birds (gallinaceous) - Partridges	UKE2	3	1	0	0	HI test for H7	10
Farmed game birds (gallinaceous) - Partridges	UKF1	2	1	10	10	HI test for H5	10
Farmed game birds (gallinaceous) - Partridges	UKF1	2	1	0	0	HI test for H7	10
Farmed game birds	UKF2	6	1	10	10	HI test for H5	10



(gallinaceous) - Partridges							
Farmed game birds (gallinaceous) - Partridges	UKF2	6	1	0	0	HI test for H7	10
Farmed game birds (gallinaceous) - Partridges	UKH1	12	3	10	30	HI test for H5	30
Farmed game birds (gallinaceous) - Partridges	UKH1	12	3	0	0	HI test for H7	30
Farmed game birds (gallinaceous) - Partridges	UKH3	1	2	10	20	HI test for H5	20
Farmed game birds (gallinaceous) - Partridges	UKH3	1	2	0	0	HI test for H7	20
Farmed game birds (gallinaceous) - Partridges	UKK2	2	1	10	10	HI test for H5	10
Farmed game birds (gallinaceous) - Partridges	UKK2	2	1	0	0	HI test for H7	10
Farmed game birds (gallinaceous) - Pheasants	UKD3	1	1	10	10	HI test for H5	10
Farmed game birds (gallinaceous) - Pheasants	UKD3	1	1	0	0	HI test for H7	10
Farmed game birds (gallinaceous) - Pheasants	UKD4	8	2	10	20	HI test for H5	20
Farmed game birds (gallinaceous) - Pheasants	UKD4	8	2	0	0	HI test for H7	20
Farmed game birds (gallinaceous) - Pheasants	UKE1	5	1	10	10	HI test for H5	10
Farmed game birds (gallinaceous) - Pheasants	UKE1	5	1	0	0	HI test for H7	10
Farmed game birds (gallinaceous) - Pheasants	UKE2	7	4	10	40	HI test for H5	40
Farmed game birds (gallinaceous) - Pheasants	UKE2	7	4	0	0	HI test for H7	40
Farmed game birds (gallinaceous) - Pheasants	UKE3	1	1	10	10	HI test for H5	10
Farmed game birds (gallinaceous) - Pheasants	UKE3	1	1	0	0	HI test for H7	10
Farmed game birds (gallinaceous) - Pheasants	UKF2	8	1	26	26	HI test for H5	26
Farmed game birds (gallinaceous) - Pheasants	UKF2	8	1	0	0	HI test for H7	26
Farmed game birds (gallinaceous) - Pheasants	UKG1	7	3	10	30	HI test for H5	30
Farmed game birds (gallinaceous) - Pheasants	UKG1	7	3	0	0	HI test for H7	30
Farmed game birds (gallinaceous) - Pheasants	UKH1	14	4	10	40	HI test for H5	40
Farmed game birds (gallinaceous) - Pheasants	UKH1	14	4	0	0	HI test for H7	40
Farmed game birds (gallinaceous) - Pheasants	UKH3	3	1	10	10	HI test for H5	10
Farmed game birds (gallinaceous) - Pheasants	UKH3	3	1	0	0	HI test for H7	10
Farmed game birds (gallinaceous) - Pheasants	UKJ1	7	2	10	20	HI test for H5	20
Farmed game birds (gallinaceous) - Pheasants	UKJ1	7	2	0	0	HI test for H7	20
Farmed game birds (gallinaceous) - Pheasants	UKK1	10	1	10	10	HI test for H5	10
Farmed game birds (gallinaceous) - Pheasants	UKK1	10	1	0	0	HI test for H7	10
Farmed game birds (gallinaceous) - Pheasants	UKK2	4	1	10	10	HI test for H5	10
Farmed game birds (gallinaceous) - Pheasants	UKK2	4	1	0	0	HI test for H7	10
Farmed game birds (gallinaceous) - Pheasants	UKL2	3	1	10	10	HI test for H5	10
Farmed game birds (gallinaceous) - Pheasants	UKL2	3	1	0	0	HI test for H7	10
Farmed game birds (gallinaceous) - Pheasants	UKM6	1	1	10	10	HI test for H5	10

Farmed game birds (gallinaceous) - Pheasants	UKM6	1	1	0	0	HI test for H7	10
Farmed game birds (gallinaceous) - Pheasants	UKM7	2	1	10	10	HI test for H5	10
Farmed game birds (gallinaceous) - Pheasants	UKM7	2	1	0	0	HI test for H7	10
Turkey breeders	UKE1	18	1	30	30	HI test for H5	30
Turkey breeders	UKE1	18	1	0	0	HI test for H7	30
Turkey breeders	UKE2	4	1	30	30	HI test for H5	30
Turkey breeders	UKE2	4	1	0	0	HI test for H7	30
Turkey breeders	UKF3	94	1	10	10	HI test for H5	10
Turkey breeders	UKF3	94	1	0	0	HI test for H7	10
Turkey breeders	UKH1	146	1	10	10	HI test for H5	10
Turkey breeders	UKH1	146	1	0	0	HI test for H7	10
Turkey breeders	UKH3	65	1	10	10	HI test for H5	10
Turkey breeders	UKH3	65	1	0	0	HI test for H7	10
Turkey breeders	UKJ4	10	1	10	10	HI test for H5	10
Turkey breeders	UKJ4	10	1	0	0	HI test for H7	10
Fattening turkeys	UKD4	8	2	10	20	HI test for H5	20
Fattening turkeys	UKD4	8	2	0	0	HI test for H7	20
Fattening turkeys	UKD6	6	3	13	40	HI test for H5	40
Fattening turkeys	UKD6	6	3	0	0	HI test for H7	40
Fattening turkeys	UKE1	11	1	30	30	HI test for H5	30
Fattening turkeys	UKE1	11	1	0	0	HI test for H7	30
Fattening turkeys	UKE2	2	2	15	30	HI test for H5	30
Fattening turkeys	UKE2	2	2	0	0	HI test for H7	30
Fattening turkeys	UKF1	12	3	10	30	HI test for H5	30
Fattening turkeys	UKF1	12	3	0	0	HI test for H7	30
Fattening turkeys	UKF2	8	2	18	35	HI test for H5	35
Fattening turkeys	UKF2	8	2	0	0	HI test for H7	35
Fattening turkeys	UKF3	26	3	10	30	HI test for H5	30
Fattening turkeys	UKF3	26	3	0	0	HI test for H7	30
Fattening turkeys	UKG1	7	3	10	30	HI test for H5	30
Fattening turkeys	UKG1	7	3	0	0	HI test for H7	30
Fattening turkeys	UKG2	4	3	10	30	HI test for H5	30
Fattening turkeys	UKG2	4	3	0	0	HI test for H7	30
Fattening turkeys	UKH1	87	17	15	261	HI test for H5	261
Fattening turkeys	UKH1	87	17	0	0	HI test for H7	261
Fattening turkeys	UKH3	17	6	10	60	HI test for H5	60
Fattening turkeys	UKH3	17	6	0	0	HI test for H7	60
Fattening turkeys	UKI6	3	1	10	10	HI test for H5	10
Fattening turkeys	UKI6	3	1	0	0	HI test for H7	10
Fattening turkeys	UKJ1	5	1	10	10	HI test for H5	10
Fattening turkeys	UKJ1	5	1	0	0	HI test for H7	10
Fattening turkeys	UKJ2	6	2	10	20	HI test for H5	20
Fattening turkeys	UKJ2	6	2	0	0	HI test for H7	20
Fattening turkeys	UKJ4	6	2	10	20	HI test for H5	20
Fattening turkeys	UKJ4	6	2	0	0	HI test for H7	20
Fattening turkeys	UKK1	3	2	10	20	HI test for H5	20
Fattening turkeys	UKK1	3	2	0	0	HI test for H7	20
Fattening turkeys	UKK2	5	1	10	10	HI test for H5	10
Fattening turkeys	UKK2	5	1	0	0	HI test for H7	10
Fattening turkeys	UKK3	4	1	10	10	HI test for H5	10

Fattening turkeys	UKK3	4	1	0	0	HI test for H7	10	
Fattening turkeys	UKL1	6	1	10	10	HI test for H5	10	
Fattening turkeys	UKL1	6	1	0	0	HI test for H7	10	
Fattening turkeys	UKN0	4	4	13	50	HI test for H5	50	
Fattening turkeys	UKN0	4	4	0	0	HI test for H7	50	
<b>Total</b>		3,610	556	2,193	4,460	<b>Methods of laboratory analysis</b>	<b>Total number of tests</b>	
							<b>Total - HI test for H5</b>	6,846
							<b>Total - HI test for H7</b>	4,451

**Table B - WILD BIRDS : INVESTIGATION ACCORDING TO THE SURVEILLANCE PROGRAMME FOR AVIAN INFLUENZA IN WILD BIRDS SET OUT IN ANNEX II TO DECISION 2010/367/EU**

NUTS 2 Code	Total number of wild birds sampled for passive surveillance	Number of PCR tests done for passive surveillance	Number of virus isolation tests for passive surveillance
Great Britain	782	1,758	18
Northern Ireland	34	45	0
<b>Total</b>	816	1,803	18

**Table C - POULTRY AND WILD BIRDS : NUMBER OF OUTBREAKS OF AVIAN INFLUENZA DETECTED DURING THE YEAR**

	Domestic birds	Wild birds
<b>Nr of HPAI outbreaks</b>	0	0
<b>Nr of LPAI outbreaks</b>	3	22

COMMENT / ADDITIONAL CLARIFICATION