

About this dossier

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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: 20200416-KR5CI9VY

Country code: IE

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.

There were no outbreaks of avian influenza in poultry or wild birds in Ireland in 2019.

Ireland operates a representative sampling surveillance programme in poultry. Samples are submitted for testing to the Central Veterinary Research Laboratory (CVRL), Backweston, Stacumny Lane, Celbridge, Co. Kildare which is the location of Irelands National Reference Laboratory. Testing for avian influenza is carried out here in accordance with the diagnostic procedures for confirmation and differential diagnosis of avian influenza laid down in the avian influenza diagnostic manual (Commission Decision 2006/437/EC).

Serological screening was carried out using the haemagglutination inhibition (HI) test for poultry (including turkeys, ducks and geese). A separate HI-H5 and HI-H7 test was carried out on each sample. The H5 strains used in the HI test were: Initial Teal/England/7394-2805/06 (H5N3), and for N3 elimination, Chicken/Scotland/59 (H5N1). When ducks and geese were tested, both, the Teal/England/7394-2805/06 (H5 N3) and , Duck/England/036254/14 (H5N8) were used in all cases. The H7 strains used in the HI test were: Initial Turkey/England/647/77 (H7N7), and for N7 elimination, African Starling/983/79 (H7N1).

Passive surveillance is carried out on wild birds and 78 wild birds were submitted for sampling for avian

influenza in 2019. The Matrix Protein gene PCR test was used for testing and all 78 wild birds were negative for avian influenza.

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

The 2019 Avian influenza Surveillance Programme has been implemented as effectively as possible. Targets for the sampling of most poultry categories were exceeded. Sampling numbers are submitted in this Final Report up to the targeted limit as set out in the Multiannual Plan for 2019. Numbers of holdings that were sampled in excess of this target are not included as they are not co-funded. Targets were not achieved for the categories of Turkey Breeders and Fattening Geese in 2019. Ireland has very small numbers of holdings in both of these categories although some holdings were sampled in both categories. The small number of flocks combined with the seasonality of production led to the resulting shortfall in sampling numbers in these categories.

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.

There were no confirmed cases or outbreaks of avian influenza in wild birds, poultry or captive birds in Ireland during 2019. A map of the poultry holding density in Ireland is attached for information purposes.

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	IE01 & IE02	67	66	20	1,320	HI test for H5	1,320
Chicken breeders	IE01 & IE02	67	66	20	0	HI test for H7	1,320
Fattening turkeys	IE01 & IE02	134	88	20	1,760	HI test for H5	1,760
Fattening turkeys	IE01 & IE02	134	88	20	0	HI test for H7	1,760
Broilers (optional)	IE01 & IE02	61	46	20	920	HI test for H5	920
Broilers (optional)	IE01 & IE02	61	46	20	0	HI test for H7	920
Turkey breeders	IE01 & IE02	3	2	20	40	HI test for H5	40
Turkey breeders	IE01 & IE02	3	2	20	0	HI test for H7	40
Laying hens	IE01 & IE02	43	43	20	860	HI test for H5	860
Laying hens	IE01 & IE02	43	43	20	0	HI test for H7	860
Free range laying hens	IE01 & IE02	180	95	20	1,900	HI test for H5	1,900
Free range laying hens	IE01 & IE02	180	95	20	0	HI test for H7	1,900
Fattening ducks	IE01 & IE02	9	9	20	180	HI test for H5	180
Fattening ducks	IE01 & IE02	9	9	20	0	HI test for H7	180
Fattening geese	IE01 & IE02	5	3	20	60	HI test for H5	60
Fattening geese	IE01 & IE02	5	3	20	0	HI test for H7	60
Total		1,004	704	320	7,040	Methods of laboratory analysis	Total number of tests
						Total - HI test for H5	7,040
						Total - HI test for H7	7,040

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
IE01 & IE02	78	173	0

Total	78	173	0
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Table C - POULTRY AND WILD BIRDS : NUMBER OF OUTBREAKS OF AVIAN INFLUENZA DETECTED DURING THE YEAR

	Domestic birds	Wild birds
Nr of HPAI outbreaks	0	0
Nr of LPAI outbreaks	0	0

COMMENT / ADDITIONAL CLARIFICATION

The number of holdings sampled are reported up to the targeted limit as described in the Avian Influenza Surveillance Multiannual Plan 2018-2019. Any additional or surplus samples are not included in this final report as they are not co-funded. Wild birds are tested using the Matrix Protein gene PCR test. Samples (swabs or tissues) are taken from the respiratory tract and digestive tract from each wild bird where possible and more recently brain samples are also tested to give an indication of the virus tropism if present.