

Eradication: Final report for Avian Influenza 2018

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: 20190410-KR9T3FFV

Country code: PT

Reporting period

From: 2018

To: 2020

Year of implementation: 2018

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.

During 2018 no avian influenza outbreaks were detected in Portugal.

Sampling within the avian influenza surveillance program began in January 2018, both in poultry and in wild birds.

During the year 2018, in the scope of active surveillance, the specific groups of holdings were selected considering the necessary distribution in the territory and tested accordingly.

A total of 370 poultry holdings were tested and 5138 samples were analysed, all with negative results.

Chicken breeders, laying hens, free range laying hens and duck breeders holdings are tested twice a year and fattening ducks holdings are tested 2-3 times/year. In 2018, a total 14 fattening ducks holdings were tested : 10 were sampled twice and 4 were sampled 3 times. The remaining poultry categories are tested once a year.

Regions where there are no holdings of a given poultry category were not included in table A. For example: there aren't fattening turkeys holdings in Alentejo, Algarve, Açores and Madeira so there are no rows for these regions in that category.

The broiler category is interely composed of free range broilers.

A total of 4417 ELISA tests were carried out in the following poultry categories: chicken breeders, laying hens, free range laying hens, free range/at heightened risk broilers, fattening turkeys, duck breeders and fattening ducks. Due to technical and practical constraints game birds, both gallinaceous and waterfowl, ratites and backyard flocks were tested by RT-PCR and, therefore, no co-funding is requested for this testing. A total of 721 samples were tested by RT-PCR corresponding to 147 tests of pooled samples - maximum of 5 samples of same species and holding/pool. Regarding HI for H5 and H7, 3 samples were tested.

During the same period, 83 wild birds were tested by passive surveillance. All wild birds were negative and the distribution of sampling by region was the following:

- Norte - 5 birds
- Centro - 14 birds
- Lisboa e Vale do Tejo - 11 birds
- Alentejo - 1 bird
- Algarve - 39 birds
- Açores - 13 birds

All laboratory testing was carried out at Instituto Nacional de Investigação Agrária e Veterinária (INIAV), which is the national reference laboratory for avian influenza. For practical and financial convenience, the samples for virological tests were, whenever possible, grouped into pools (maximum of five samples, always of the same species, date and epidemiological unit) and therefore the total number of virological tests carried out is lower than the total number of samples tested.

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

The programme is based on representative sampling according to point 2.2 of annex I of Commission Decision 2010/367/EU. The targets of the programme were generally completely fulfilled except for some holdings which were empty at sampling:

- 1 ratite holding in Lisboa and Vale do Tejo region;
- 1 gallinaceous game birds holding in Norte region.

As stated above, due to technical and practical constraints concerning blood sampling in ratites, backyard flocks and game birds, these categories are tested by RT-PCR and not by serology. No co-funding is requested for this testing.

Regarding serology, 3 samples were found to be unsuitable for testing as following:

- Chicken breeders - 1 sample
- Laying hens - 2 samples

Therefore, for these two categories, the total number of samples taken is higher than the total number of tests performed in region PT11-Norte. In this region, in one chicken breeders holding, two different poultry houses were sampled and, hence, the total number of samples taken was 140 instead of 120.

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.

Maps showing sampled areas distribution as well as poultry holdings distribution and higher risk areas are attached to this report.

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	PT11-Norte	10	6	20	140	ELISA test	139

Chicken Breeders	PT16-Centro	38	22	20	420	ELISA test	420
Chicken Breeders	PT17-Lisboa e Vale do Tejo	26	14	20	280	ELISA test	280
Chicken Breeders	PT20-Açores	1	1	20	20	ELISA test	20
Chicken Breeders	PT30-Madeira	1	1	20	20	ELISA test	20
Laying Hens	PT11-Norte	11	5	20	100	ELISA test	98
Laying Hens	PT16-Centro	71	33	20	660	ELISA test	660
Laying Hens	PT17-Lisboa e Vale do Tejo	26	12	20	240	ELISA test	240
Laying Hens	PT18-Alentejo	1	1	20	20	ELISA test	20
Laying Hens	PT20-Açores	7	3	20	60	ELISA test	60
Laying Hens	PT30-Madeira	2	2	20	40	ELISA test	40
Free Range Laying Hens	PT16-Centro	19	19	20	380	ELISA test	380
Free Range Laying Hens	PT17-Lisboa e Vale do Tejo	3	3	20	60	ELISA test	60
Free Range Laying Hens	PT18-Alentejo	1	1	10	10	ELISA test	10
Free Range Laying Hens	PT30-Madeira	1	1	20	20	ELISA test	20
Broilers	PT11-Norte	5	2	10	20	ELISA test	20
Broilers	PT16-Centro	378	52	10	520	ELISA test	520
Broilers	PT17-Lisboa e Vale do Tejo	17	6	10	60	ELISA test	60
Broilers	PT30-Madeira	5	2	10	20	ELISA test	20
Fattening Turkeys	PT11-Norte	2	1	10	10	ELISA test	10
Fattening Turkeys	PT16-Centro	41	20	10	200	ELISA test	200
Fattening Turkeys	PT17-Lisboa e Vale do Tejo	84	40	10	400	ELISA test	400
Fattening ducks	PT17-Lisboa e Vale do Tejo	14	14	40	640	ELISA test	640
Fattening ducks	PT17-Lisboa e Vale do Tejo	1	1	0	0	HI test for H5	3
Fattening ducks	PT17-Lisboa e Vale do Tejo	1	1	0	0	HI test for H7	3
Duck breeders	PT17-Lisboa e Vale do Tejo	2	2	40	80	ELISA test	80
Farmed game birds (gallinaceous)	PT11-Norte	20	13	10	130	PCR test	26
Farmed game birds (gallinaceous)	PT16-Centro	10	7	10	70	PCR test	14
Farmed game birds (gallinaceous)	PT17-Lisboa e Vale do Tejo	11	10	10	100	PCR test	20
Farmed game birds (gallinaceous)	PT18-Alentejo	3	3	10	30	PCR test	6
Farmed game birds (gallinaceous)	PT15-Algarve	2	2	10	20	PCR test	4
Farmed game birds (gallinaceous)	PT30-Madeira	1	1	10	10	PCR test	2
Farmed game birds (waterfowl)	PT11-Norte	1	1	20	20	PCR test	4
Ratites	PT16-Centro	1	1	5	5	PCR test	1
Ratites	PT17-Lisboa e Vale do Tejo	6	5	5	20	PCR test	5
Ratites	PT18-Alentejo	1	1	1	1	PCR test	1
Backyard Flocks	PT11-Norte	96,000	24	5	120	PCR test	24
Backyard Flocks	PT16-Centro	66,500	17	5	85	PCR test	17
Backyard Flocks	PT17-Lisboa e Vale do Tejo	30,000	8	5	40	PCR test	8
Backyard Flocks	PT18-Alentejo	26,500	7	5	35	PCR test	7
Backyard Flocks	PT15-Algarve	9,500	3	5	15	PCR test	4
Backyard Flocks	PT20-Açores	4,500	2	5	10	PCR test	2
Backyard Flocks	PT30-Madeira	4,000	2	5	10	PCR test	2
Total		237,824	372	566	5,141	Methods of laboratory analysis	Total number of tests
						Total - ELISA test	4,417
						Total - HI test for H5	3
						Total - HI test for H7	3
						Total - PCR test	147

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
PT11-Norte	5	1	0
PT16-Centro	14	11	0
PT17-Lisboa e Vale do Tejo	11	19	0
PT18-Alentejo	1	1	0
PT15-Algarve	39	76	0
PT20-Açores	13	12	0
Total	83	120	0

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

NOTE : (196) PCR tests were paid, but only (81 PCR) are referring to wild birds that were considered eligible.