

About this dossier

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Eradication: Final report for Avian Influenza 2022

For each approved programme (work package) Member States shall submit by the 30 April detailed technical and financial report covering the previous year.

ID: 20230327-94HOKAUM

Country code: PT

Reporting period

From: 2022

To: 2022

Year of implementation: 2022

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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.

In 2022, the Avian Influenza surveillance programme was carried out according to Annex II to Delegated Regulation n° 2020/689.

Sampling within the avian influenza surveillance program began in January 2022, both in poultry and in wild birds. All sampling was carried out by DGAV staff except for a few wild birds samples which were collected by ICNF, I.P. (Institute for Conservation of Nature and Forestry) personnel and validated by DGAV services. There was no payment for the ICNF sampling. All programme expenses were paid by State Budget or Autonomous Regions's Budget and this is why there is no cost associated to wild bird sampling.

1.1.1.- Poultry

Poultry surveillance was risk based and targeted establishments keeping the relevant poultry categories, located within AI higher risk areas and high poultry density areas.

- Laying hens, free range laying hens and fattening turkeys were tested by ELISA and duck breeders, fattening ducks, quails, gallinaceous game birds and waterfowl game birds were tested by real time RT-

PCR.

The frequency of testing was the following:

- Laying hens, free range laying hens, duck breeders and waterfowl game birds: twice/year;
- Fattening ducks: 2 or 3 times/year;
- Fattening turkeys, quails and gallinaceous game birds: once/year.

HI tests were carried out whenever a sample obtained a positive result in the ELISA test. In 2022, 3 HI tests were carried (2 in laying hens and 1 in fattening turkeys) and all were negative, hence there were 3 false positives to ELISA.

A total of 29 HPAI outbreaks, all H5N1, were confirmed in 2022:

Poultry - 8

Captive birds - 8

Wild birds - 13

However, only one poultry outbreak was detected by active surveillance. The remaining outbreaks in poultry and all captive birds outbreaks were detected within the scope of clinical suspicions (contingency plan).

1.1.2 - Wild birds

During the same period, 181 wild birds were tested by passive surveillance, totalizing 277 samples corresponding to 256 real-time RT-PCR tests. The number of tests is different from the number of wild birds due to the following reasons:

- a) Some birds are tested in pool;
- b) For some birds, 2 samples were taken - oropharyngeal and cloacal swabs;
- c) For positive birds, virus subtyping and pathotyping was carried out by RT-PCR.

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

Overall, in poultry, the targets of the programme were achieved but there were some problems, namely, 5 sets of blood samples (50 samples), corresponding to sampling carried out in a laying hens farm, 2 free range laying hens farms and a turkey farm were unsuitable due to an accident in the lab;

Regarding wild birds, sampling of 205 birds was foreseen in the programme submitted and a total of 181 were sampled. Hence, around 88% of the foreseen sampling in wild birds was carried out.

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.

According to the legal provisions, Portugal submitted the intermediate results of 2022 of surveillance for avian influenza, poultry and wild birds, via the Commission's online reporting system.

Maps showing geographical distribution of poultry and wild birds sampling, including representation of higher risk areas, as well maps showing HPAI H5N1 outbreaks in poultry and wild birds 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
Laying hens	PT16-Centro	68	34	20	680	ELISA test	680
Laying hens	PT17-Lisboa e Vale do Tejo	23	19	20	390	ELISA test	390
Laying hens	PT16-Centro	0	0	0	0	HI test for H5	1

Laying hens	PT17-Lisboa e Vale do Tejo	0	0	0	0	HI test for H5	1
Free range laying hens	PT11-Norte	4	4	20	60	ELISA test	40
Free range laying hens	PT16-Centro	27	24	20	490	ELISA test	490
Free range laying hens	PT17-Lisboa e Vale do Tejo	6	5	20	100	ELISA test	90
Fattening turkeys	PT11-Norte	2	1	10	10	ELISA test	10
Fattening turkeys	PT16-Centro	39	20	10	200	ELISA test	200
Fattening turkeys	PT17-Lisboa e Vale do Tejo	98	46	10	460	ELISA test	450
Fattening turkeys	PT18-Alentejo	3	1	10	10	ELISA test	10
Laying hens	PT11-Norte	10	4	20	80	ELISA test	70
Fattening turkeys	PT17-Lisboa e Vale do Tejo	0	0	0	0	HI test for H5	1
Fattening ducks	PT16-Centro	2	2	60	140	PCR test	28
Fattening ducks	PT17-Lisboa e Vale do Tejo	14	14	60	710	PCR test	144
Fattening ducks	PT18-Alentejo	2	2	60	20	PCR test	4
Duck breeders	PT17-Lisboa e Vale do Tejo	2	2	40	80	PCR test	16
Farmed game birds (gallinaceous)	PT11-Norte	11	11	10	110	PCR test	22
Farmed game birds (gallinaceous)	PT16-Centro	6	6	10	60	PCR test	12
Farmed game birds (gallinaceous)	PT17-Lisboa e Vale do Tejo	9	9	10	90	PCR test	18
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	40	40	PCR test	8
Farmed game birds (waterfowl)	PT17-Lisboa e Vale do Tejo	2	2	40	80	PCR test	16
Quails	PT16-Centro	1	1	10	10	PCR test	2
Quails	PT17-Lisboa e Vale do Tejo	12	12	10	120	PCR test	24
Quails	PT30-Madeira	1	1	10	10	PCR test	2
Laying hens	PT20-Açores	8	1	20	20	ELISA test	20
Total		354	225	560	4,000	Methods of laboratory analysis	Total number of tests
						Total - ELISA test	2,450
						Total - HI test for H5	3
						Total - PCR test	302

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	15	12	0
PT16-Centro	23	33	0
PT17-Lisboa e Vale do Tejo	47	57	0
PT18-Alentejo	15	25	0
PT15- Algarve	68	130	0
PT20-Açores	8	12	0
PT30-Madeira	5	4	0
Total	181	273	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	1	13

Nr of LPAI outbreaks	0	0
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3. FINANCIAL DATA - REIMBURSEMENT CLAIM

VERY IMPORTANT : for financial data, please report only the eligible costs incurred (VAT excluded) i.e. the measures (and their related costs) performed during the implementing year and paid from the State budget before the date of submission of this form. All costs shall be reported in Euro. If needed, the exchange rate(s) shall be detailed in the dedicated table below.

Costs related to	Eligible measures	Number of units	Total cost actually incurred	Ceiling per unit	Total cost after ceiling	Unit cost	Total	CFR (%)	Amount expected to be claimed
Sampling	Domestic animals sampled	4,000				1.91	7,640	75	5,730
Sampling	Wild birds sampled	181	0	10	0			75	0
Testing	ELISA test - poultry	2,220				3.57	7,925.4	75	5,944.05
Testing	HI-Test for H5	3				4.19	12.57	75	9.43
Testing	HI-Test for H7	0				4.19	0	75	0
Testing	PCR test - poultry	298				19.25	5,736.5	75	4,302.38
Testing	Virus isolation test - wild birds	0				51.07	0	75	0
Testing	PCR test - wild birds	254				19.25	4,889.5	75	3,667.13
Total - Sampling		4,181	0		0		7,640		5,730
Total - Testing		2,775					18,563.97		13,922.98
Total - Amount claimed									19,652.98

Comment/additional clarification

Attached files

File name	File description	File type	File size	Date updated
Map_sampling_poultry.pdf		binary/pdf	333 kB	2023/04/24
Map_sampling_wild_birds.pdf		binary/pdf	348 kB	2023/04/24
HPAI_poultry_outbreak_Active_Surv_2022.pdf		binary/pdf	385 kB	2023/04/24
HPAI_wildbirds_cases_2022.pdf		binary/pdf	570 kB	2023/04/24
AI_PT_signed_Declaration.pdf		binary/pdf	143 kB	2023/04/27