

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: 20200519-5NRF4NAC

Country code: IT

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.

During 2019, one outbreak of low pathogenic avian influenza (LPAI) in domestic poultry and three cases of LPAI in wild birds were identified through surveillance activities foreseen under the Italian national surveillance plan for avian influenza, namely active surveillance in domestic poultry and passive surveillance in wild birds.

The outbreak in domestic poultry was confirmed on the 29th of July, in a grower farm in Modena Province (Emilia Romagna region), which housed 2.000 broiler of various ages.

Samples were taken on the 23rd of July as part of the scheme foreseen by the national surveillance plan for AI in growers farms (Provision of the Ministry of Health on sampling activity DM 25/06/2010 concerning surveillance activities for the rural poultry sector). The National Reference Laboratory (NRL) for Avian Influenza and Newcastle Disease characterized the virus as a LPAI subtype H7N3.

The owner referred that birds showed mild respiratory symptoms since the 12th of July. Based on the evidence collected through the epidemiological inquiry, it was assumed that the infection could have entered the farm most probably through contacts with wild birds. The broilers had indeed access to an outdoor area.

A restriction zone of 1-km radius around the affected holding was established as provided for in Council Directive 2005/94/EC. Movement restrictions were applied within this zone. All the birds in the affected

holding were culled, and the carcasses were disposed of under official supervision.

The three cases of LPAI in wild birds were reported between January and February 2019. The affected species were 3 Common teal (*Anas crecca*) found dead and collected in Naples province (Campania region). The NRL confirmed the positivity to a LPAI virus subtype H7.

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

The surveillance activities performed during 2019 were adequate to achieve the targets set in the approved programme, especially for the provinces classified as high-risk areas for avian influenza virus introduction and spread of the infection.

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 map attached shows the location of the AI positive cases detected in 2019 through the surveillance activities foreseen under the approved national surveillance programme for avian influenza. The LPAI H7N3 outbreak confirmed in domestic poultry is represented by a triangle, while the cases detected in wild birds are represented by a square.

Detailed information on the productive category of the affected holding, species and number of affected birds, date of notification, virus subtypes identified, and date of depopulation are summarized in the attached table.

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
Fattening turkeys	ITC1	2	2	15	59	ELISA test	59
Fattening turkeys	ITC4	144	130	21	6,179	ELISA test	6,175
Fattening turkeys	ITC4	0	0	0	0	HI test for H5	118
Fattening turkeys	ITC4	0	0	0	0	HI test for H7	118
Fattening turkeys	ITH3	476	400	15	14,069	ELISA test	9,897
Fattening turkeys	ITH3	0	0	0	0	HI test for H5	4,227
Fattening turkeys	ITH3	0	0	0	0	HI test for H7	4,227
Fattening turkeys	ITH5	46	41	18	2,060	ELISA test	2,060
Fattening turkeys	ITI2	22	22	13	280	ELISA test	280
Fattening turkeys	ITI4	8	5	9	66	ELISA test	67
Fattening turkeys	ITI4	0	0	0	0	HI test for H5	1
Fattening turkeys	ITI4	0	0	0	0	HI test for H7	1
Fattening turkeys	ITH4	17	10	19	190	ELISA test	150
Fattening turkeys	ITH4	0	0	0	0	HI test for H5	42
Fattening turkeys	ITH4	0	0	0	0	HI test for H7	42
Chicken breeders	ITC1	19	13	17	339	ELISA test	337
Chicken breeders	ITC4	56	49	18	1,720	ELISA test	1,720
Chicken breeders	ITC4	0	0	0	0	HI test for H5	23
Chicken breeders	ITC4	0	0	0	0	HI test for H7	23
Chicken breeders	ITH3	59	36	16	971	ELISA test	951
Chicken breeders	ITH3	0	0	0	0	HI test for H5	22
Chicken breeders	ITH3	0	0	0	0	HI test for H7	22

Chicken breeders	ITH5	43	35	18	1,227	ELISA test	1,227
Chicken breeders	ITI2	16	14	15	205	ELISA test	205
Turkey breeders	ITH3	36	34	18	1,159	ELISA test	1,064
Turkey breeders	ITH3	0	0	0	0	HI test for H5	115
Turkey breeders	ITH3	0	0	0	0	HI test for H7	115
Turkey breeders	ITH5	3	2	18	70	ELISA test	70
Laying hens	ITC1	66	47	14	1,243	ELISA test	1,237
Laying hens	ITC4	193	174	13	5,000	ELISA test	4,993
Laying hens	ITC4	0	0	0	0	HI test for H5	7
Laying hens	ITC4	0	0	0	0	HI test for H7	7
Laying hens	ITH3	227	116	15	2,810	ELISA test	2,724
Laying hens	ITH3	0	0	0	0	HI test for H5	94
Laying hens	ITH3	0	0	0	0	HI test for H7	94
Laying hens	ITH5	181	108	14	3,545	ELISA test	3,545
Laying hens	ITI2	34	23	12	310	ELISA test	310
Laying hens	ITI4	42	31	8	284	ELISA test	291
Laying hens	ITI4	0	0	0	0	HI test for H5	7
Laying hens	ITI4	0	0	0	0	HI test for H7	7
Laying hens	ITH4	20	5	12	60	ELISA test	60
Laying hens	ITH4	0	0	0	0	HI test for H5	1
Laying hens	ITH4	0	0	0	0	HI test for H7	1
Free range laying hens	ITC1	12	5	15	120	ELISA test	120
Free range laying hens	ITC1	0	0	0	0	HI test for H5	12
Free range laying hens	ITC1	0	0	0	0	HI test for H7	12
Free range laying hens	ITC4	16	10	13	225	ELISA test	224
Free range laying hens	ITH3	20	20	12	440	ELISA test	400
Free range laying hens	ITH3	0	0	0	0	HI test for H5	22
Free range laying hens	ITH3	0	0	0	0	HI test for H7	22
Free range laying hens	ITH5	27	19	13	440	ELISA test	440
Free range laying hens	ITI2	5	4	10	40	ELISA test	40
Free range laying hens	ITI4	24	22	9	233	ELISA test	242
Free range laying hens	ITI4	0	0	0	0	HI test for H5	5
Free range laying hens	ITI4	0	0	0	0	HI test for H7	5
Free range laying hens	ITH4	12	7	12	81	ELISA test	81
Ratites	ITC4	9	5	5	55	ELISA test	55
Ratites	ITH5	5	3	4	20	ELISA test	20
Farmed game birds (gallinaceous)	ITH3	7	5	24	220	ELISA test	220
Farmed game birds (gallinaceous)	ITH3	0	0	0	0	HI test for H5	20
Farmed game birds (gallinaceous)	ITH3	0	0	0	0	HI test for H7	20
Farmed game birds (gallinaceous)	ITI2	1	1	10	10	ELISA test	10
Farmed game birds (gallinaceous)	ITH5	1	1	20	40	ELISA test	40
Fattening ducks	ITC1	3	2	15	90	PCR test	90
Fattening ducks	ITC4	21	13	15	441	PCR test	50
Fattening ducks	ITH3	18	8	10	132	PCR test	28
Fattening ducks	ITH5	6	6	14	275	PCR test	31
Fattening geese	ITC1	2	2	13	25	PCR test	25
Fattening geese	ITH3	7	1	10	10	PCR test	2
Fattening geese	ITI2	1	1	10	20	PCR test	20

Duck breeders	ITH5	6	2	20	40	PCR test	8
Duck breeders	ITI2	2	2	10	30	PCR test	30
Guinea fowl	ITC4	2	2	10	30	ELISA test	30
Guinea fowl	ITH3	3	3	12	49	ELISA test	49
Quail breeders	ITH3	8	5	18	160	PCR test	32
Quail breeders	ITH5	1	1	15	30	PCR test	3
Geese breeders	ITH5	2	1	10	10	PCR test	1
Geese breeders	ITI2	2	2	18	70	PCR test	50
Backyard flocks (optional)	ITC1	9	9	11	171	PCR test	171
Backyard flocks (optional)	ITC4	16	16	3	75	PCR test	30
Backyard flocks (optional)	ITH3	30	30	11	384	PCR test	86
Backyard flocks (optional)	ITH5	18	18	12	392	PCR test	71
Backyard flocks (optional)	ITH4	4	4	14	54	PCR test	14
Backyard flocks (optional)	ITI4	4	4	4	14	PCR test	14
Growers	ITC1	53	46	12	1,989	ELISA test	1,859
Growers	ITC1	0	0	0	0	PCR test	129
Growers	ITC3	3	2	20	240	ELISA test	239
Growers	ITC4	94	76	19	10,578	ELISA test	6,534
Growers	ITC4	0	0	0	0	HI test for H5	24
Growers	ITC4	0	0	0	0	HI test for H7	24
Growers	ITC4	0	0	0	0	PCR test	555
Growers	ITH10	4	4	10	150	ELISA test	120
Growers	ITH10	0	0	0	0	HI test for H5	17
Growers	ITH10	0	0	0	0	HI test for H7	17
Growers	ITH10	0	0	0	0	PCR test	6
Growers	ITH3	112	68	17	3,992	ELISA test	2,561
Growers	ITH3	0	0	0	0	HI test for H5	243
Growers	ITH3	0	0	0	0	HI test for H7	243
Growers	ITH3	0	0	0	0	PCR test	272
Growers	ITH4	16	16	14	583	ELISA test	481
Growers	ITH4	0	0	0	0	HI test for H5	16
Growers	ITH4	0	0	0	0	HI test for H7	16
Growers	ITH4	0	0	0	0	PCR test	38
Growers	ITH5	136	101	24	24,333	ELISA test	11,888
Growers	ITH5	0	0	0	0	HI test for H5	17
Growers	ITH5	0	0	0	0	HI test for H7	17
Growers	ITH5	0	0	0	0	PCR test	1,813
Growers	ITI1	31	22	13	1,419	ELISA test	1,322
Growers	ITI1	0	0	0	0	HI test for H5	69
Growers	ITI1	0	0	0	0	HI test for H7	69
Growers	ITI1	0	0	0	0	PCR test	188
Growers	ITI2	43	37	13	2,990	ELISA test	2,609
Growers	ITI2	0	0	0	0	HI test for H5	24
Growers	ITI2	0	0	0	0	HI test for H7	24
Growers	ITI2	0	0	0	0	PCR test	100
Growers	ITI3	38	34	19	2,118	ELISA test	1,392
Growers	ITI3	0	0	0	0	HI test for H5	8
Growers	ITI3	0	0	0	0	HI test for H7	8
Growers	ITI3	0	0	0	0	PCR test	82
Growers	ITI4	26	9	10	577	ELISA test	600

Growers	ITI4	0	0	0	0	HI test for H5	34
Growers	ITI4	0	0	0	0	HI test for H7	34
Growers	ITI4	0	0	0	0	PCR test	8
Growers	ITF1	22	12	13	509	ELISA test	491
Growers	ITF1	0	0	0	0	HI test for H5	42
Growers	ITF1	0	0	0	0	HI test for H7	42
Growers	ITF2	3	2	30	180	ELISA test	180
Growers	ITF2	0	0	0	0	HI test for H5	7
Growers	ITF2	0	0	0	0	HI test for H7	7
Growers	ITF3	34	16	11	265	ELISA test	265
Growers	ITF4	5	4	20	80	ELISA test	80
Growers	ITG1	11	5	24	310	ELISA test	310
Growers	ITG2	10	1	20	20	ELISA test	10
Growers	ITH20	2	2	9	17	ELISA test	17
Growers	ITH20	0	0	0	0	HI test for H5	12
Growers	ITH20	0	0	0	0	HI test for H7	12
Total		2,657	1,988	1,018	96,622	Methods of laboratory analysis	Total number of tests
						Total - ELISA test	70,351
						Total - HI test for H5	5,229
						Total - HI test for H7	5,229
						Total - PCR test	3,947

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
ITC1	222	222	0
ITC2	3	3	0
ITC3	47	47	0
ITC4	120	120	0
ITH10	1	2	0
ITH20	20	37	0
ITH3	890	897	0
ITH4	37	57	0
ITH5	730	734	0
ITI1	5	5	0
ITI2	2	2	0
ITI3	2	2	0
ITI4	1	2	0
ITF1	11	28	0
ITF2	1	3	0
ITF3	492	1,255	0
ITF4	62	146	0
ITF5	2	5	0
ITF6	47	168	0
ITG1	3	10	0
ITG2	22	54	0
Total	2,720	3,799	0

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

	Domestic birds	Wild birds
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Nr of HPAI outbreaks	0	0
Nr of LPAI outbreaks	1	3

COMMENT / ADDITIONAL CLARIFICATION

1.9.1 SANTE Data Collection Platform - PRODUCTION • Contact us at SANTE-XMLGATE3@ec.europa.eu