

### Follow-up report No.3 (Final report)

Report reference: , Reference OIE : 24406, Report Date : 25/07/2017, Country : Denmark

#### Report Summary

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		<b>Date submitted to OIE</b>	25/07/2017

<b>Animal type</b>	Terrestrial	<b>Date of report</b>	25/07/2017
<b>Disease</b>	Highly pathogenic influenza A viruses (infection with) (non-poultry including wild birds)	<b>Date of start of the event</b>	26/12/2016
<b>Causal Agent</b>	Highly pathogenic influenza A virus	<b>Date of confirmation of the event</b>	12/01/2017
<b>Serotype(s)</b>	H5N8	<b>Date of last occurrence</b>	2016
<b>Reason</b>	Recurrence of a listed disease	<b>Diagnosis</b>	Laboratory (advanced)
<b>Country or zone</b>	the whole country	<b>Clinical signs</b>	Yes
<b>Number of reported outbreaks</b>	submitted= 17, Draft= 0		

#### Outbreak details

Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
WEST-other report - submitted	-	Viborg		Forest	Ormstrup Skov	56.3138	9.6246	26/12/2016	26/12/2016
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Killed and disposed of</b>	<b>Slaughtered</b>			
White-tailed Eagle:Accipitridae(Haliaeetus albicilla)	Animals	...	1	1	0	0			
Affected Population	On December 26th, a white-tailed eagle (Haliaeetus albicilla) was found dead in Ormstrup Skov. On January 12th, the national veterinary institute confirmed highly pathogenic avian influenza virus (H5N8) in the samples from the eagle.								

Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
EAST-other report - submitted	-	Guldborgsund		Forest	Hesnæs	54.8292	12.1569	26/12/2016	26/12/2016
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Killed and disposed of</b>	<b>Slaughtered</b>			
White-tailed Eagle:Accipitridae(Haliaeetus albicilla)	Animals	...	1	0	1	0			
Affected Population	On December 26th, a white-tailed eagle (Haliaeetus albicilla) was found near Hesnæs. On January 23th, the national veterinary institute confirmed highly pathogenic avian influenza virus (H5N8) in the samples from the eagle.								

Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
WEST-other report - submitted	-	Ringkøbing-Skjern		Forest	Dejbjerg Plantage	56.0055	8.4511	02/01/2017	24/03/2017
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Killed and disposed of</b>	<b>Slaughtered</b>			
White-tailed Eagle:Accipitridae(Haliaeetus albicilla)	Animals	...	1	1	0	0			
Affected Population	On January 2nd, a white-tailed eagle (Haliaeetus albicilla) was found dead in Dejbjerg Plantage. On March 24th, the national veterinary institute confirmed highly pathogenic avian influenza virus (H5N8) in the samples from the eagle.								

Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:

Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
WEST-other report - submitted	-	Haderslev		Not applicable	Haderslev	55.2619	9.4293	07/01/2017	07/01/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
White-tailed Eagle:Accipitridae(Haliaeetus albicilla)	Animals	...	1	1	0	0			
Affected Population	On January 7th, a white-tailed eagle (Haliaeetus albicilla) was found dead near Haderslev. On January 13th, the national veterinary institute confirmed highly pathogenic avian influenza virus (H5N8) in the samples from the eagle.								

Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
WEST-other report - submitted	-	Århus		Not applicable	Egå Engsø	56.2156	10.2161	23/01/2017	23/01/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Eurasian Wigeon:Anatidae(Anas penelope)	Animals	...	1	1	0	0			
Affected Population	On January 23rd, an Eurasian wigeon (Anas penelope) was found dead near the lake Egå Engsø. On February 2nd, the national veterinary institute confirmed highly pathogenic avian influenza virus (H5N8) in the samples from the bird.								

Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
EAST-other report - submitted	-	Guldborgsund		Forest	Grønge Skov	54.7944	11.77	30/01/2017	30/01/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Eurasian buzzard (common buzzard):Accipitridae(Buteo buteo)	Animals	...	1	0	1	0			
Affected Population	On January 30th, a Eurasian buzzard (Buteo buteo) was found in Grønge Skov. On February 7th, the national veterinary institute confirmed highly pathogenic avian influenza virus (H5N8) in the samples from the buzzard.								

Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
EAST-other report - submitted	-	Guldborgsund		Forest	Egeskov	54.8563	11.8044	03/02/2017	13/02/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Eurasian buzzard (common buzzard):Accipitridae(Buteo buteo)	Animals	...	1	1	0	0			
Affected Population	On February 3rd, a common buzzard (Buteo buteo) was found in the forest Egeskov. On February 13th, the national veterinary institute confirmed highly pathogenic avian influenza virus (H5N8) in the samples from the buzzard.								

Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
EAST-other report - submitted	-	Lolland		Not applicable	Maribo	54.7697	11.4899	06/02/2017	07/02/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	8	3	1	7	0			
Affected Population	On 7 February 2017, infection with influenza A virus of high pathogenicity in birds other than poultry was confirmed in "birds other than poultry" in an open air museum in Maribo on the Island Lolland. The population consisted of 3 geese, 4 hens and a cock. There were clinical signs among the geese and one goose died. The hens showed no clinical signs. The birds have been killed on 7 February 2017. The birds were only kept for exhibition and they have not been used for the production of meat or eggs for consumption or for the production of other commercial products.								

Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
EAST-other report - submitted	-	Kalundborg		Not applicable	Bregninge	55.6808	11.3209	12/02/2017	17/02/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Eurasian buzzard (common buzzard):Accipitridae(But eo buteo)	Animals	...	1	1	0	0			
Affected Population	On February 12th, a common buzzard (Buteo buteo) was found dead near Bregninge. On February 17th, the national veterinary institute confirmed highly pathogenic avian influenza virus (H5N8) in the samples from the buzzard.								

Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
WEST-other report - submitted	-	Holstebro		Forest	Husby Klitplantage	56.2997	8.1879	12/02/2017	22/02/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Peregrin falcon:Falconidae(Falco peregrinus)	Animals	...	1	1	0	0			
Affected Population	On February 12th, a peregrine falcon (Falco peregrinus) was found dead near Husby Klitplantage. On February 22th, the national veterinary institute confirmed highly pathogenic avian influenza virus (H5N8) in the samples from the falcon.								

Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
WEST-other report - submitted	-	Lemvig		Not applicable	Harboøre	56.5915	8.1719	03/03/2017	10/03/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Eurasian buzzard (common buzzard):Accipitridae(But eo buteo)	Animals	...	1	1	0	0			
Affected Population	On March 3rd, a common buzzard (Buteo buteo) was found dead near the town Harboøre. On March 10th, the national veterinary institute confirmed highly pathogenic avian influenza virus (H5N8) in the samples from the buzzard.								

Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
EAST-other report - submitted	-	Næstved		Not applicable	Holme-Olstrup	55.241	11.9191	05/03/2017	09/03/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Eurasian buzzard (common buzzard):Accipitridae(But eo buteo)	Animals	...	1	1	0	0			
Affected Population	On March 3rd, a common buzzard (Buteo buteo) was found dead near the town Holme-Olstrup. On March 9th, the national veterinary institute confirmed highly pathogenic avian influenza virus (H5N8) in the samples from the buzzard.								

Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
EAST-other report - submitted	-	Langeland		Not applicable	Spodsbjerg	54.9325	10.8323	13/03/2017	20/03/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Great black-backed Gull:Laridae(Larus marinus)	Animals	...	3	3	0	0			

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Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Affected Population	On March 13th, three great black-backed gull ( <i>Larus marinus</i> ) were found dead in Spodsbjerg harbour. On March 20th, the national veterinary institute confirmed highly pathogenic avian influenza virus (H5N8) in the samples from the three gulls.								

Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
EAST-other report - submitted	-	Ærø		Not applicable	Ommel	54.8704	10.4892	15/03/2017	24/03/2017
Common Eider: Anatidae ( <i>Somateria mollissima</i> )	Animals	...	1	1	0	0			
Herring Gull: Laridae ( <i>Larus argentatus</i> )	Animals	...	1	1	0	0			
Affected Population	On March 15th, a common eider ( <i>Somateria mollissima</i> ) and a herring gull ( <i>Larus argentatus</i> ) were found dead in the village Ommel on the Island Ærø. On March 24th, the national veterinary institute confirmed highly pathogenic avian influenza virus (H5N8) in the samples from the birds.								

Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
EAST-other report - submitted	-	Næstved		Forest	Kohave	55.2481	11.7444	23/03/2017	29/03/2017
Eurasian buzzard (common buzzard): Accipitridae ( <i>Buteo buteo</i> )	Animals	...	1	1	0	0			
Affected Population	On March 23rd, a common buzzard ( <i>Buteo buteo</i> ) was found dead in the forest Kohave near the city Næstved. On March 29, the national veterinary institute confirmed highly pathogenic avian influenza virus (H5N8) in the samples from the buzzard.								

Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
WEST-other report - submitted	-	Struer		Not applicable	Toftum	56.5462	8.5423	27/03/2017	07/04/2017
Eurasian buzzard (common buzzard): Accipitridae ( <i>Buteo buteo</i> )	Animals	...	1	1	0	0			
Affected Population	On March 27, a common buzzard ( <i>Buteo buteo</i> ) was found dead in Toftum. On April 7th, the national veterinary institute confirmed highly pathogenic avian influenza virus (H5N8) in the samples from the buzzard.								

Regional Veterinary and Food Administration	Number of outbreaks	Municipality		Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
EAST-other report - submitted	-	Nordfyns		Not applicable	Æbelø	55.6421	10.1689	04/04/2017	19/04/2017
White-tailed Eagle: Accipitridae ( <i>Haliaeetus albicilla</i> )	Animals	...	1	1	0	0			
Affected Population	On April 4th, a white-tailed eagle ( <i>Haliaeetus albicilla</i> ) was found dead on Æbelø. On April 19th, the national veterinary institute confirmed highly pathogenic avian influenza virus (H5N8) in the samples from the eagle.								

### Outbreak summary: Total outbreaks = 17 (Submitted)

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Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
White-tailed Eagle		5	4	1	0
Eurasian Wigeon		1	1	0	0
Eurasian buzzard (common buzzard)		7	6	1	0
Birds	8	3	1	7	0
Peregrin falcon		1	1	0	0
Great black-backed Gull		3	3	0	0
Common Eider		1	1	0	0
Herring Gull		1	1	0	0

## Epidemiology

### Epidemiological comments

There have been no new cases of infection with highly pathogenic influenza A viruses in Denmark since it was detected in samples from a white-tailed eagle on April 19th 2017.

The Danish Veterinary and Food Administration considers the event to be resolved.

The final report and other information about avian influenza in Denmark are publicly available on the website of the Danish Veterinary and Food Administration at: [https://www.foedevarestyrelsen.dk/english/Animal/AnimalHealth/Avian\\_influenza](https://www.foedevarestyrelsen.dk/english/Animal/AnimalHealth/Avian_influenza).

### Source of the outbreak(s) or origin of infection

- Contact with wild species

## Measures applied

### No Control Measures

### Animals treated

No

### Vaccination Prohibited

Yes

## Future Reporting

The report and all its outbreaks have been resolved.

## Outbreak maps

