

Follow-up report No.1

Report reference: , Reference OIE : 16719, Report Date : 04/03/2015, Country : Korea (Rep. of)

Report Summary

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		Date submitted to OIE	04/03/2015

Animal type	Terrestrial	Date of report	04/03/2015
Disease	Highly pathogenic avian influenza	Date of start of the event	24/09/2014
Causal Agent	Highly pathogenic avian influenza virus	Date of pre-confirmation of the event	24/09/2014
Serotype(s)	H5N8	Date of last occurrence	04/09/2014
Reason	Reoccurrence of a listed disease	Diagnosis	Clinical, Laboratory (basic), Laboratory (advanced)
Country or zone	the whole country	Clinical signs	Yes
Number of reported outbreaks	submitted= 80, Draft= 0		

Outbreak details

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JEOLLANAM-DO-other report - submitted - Outbreak cluster	15	Yeongam-gun		Farm	Dopo-myeon	34.8614716	126.6313671	24/09/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	316193	1200	1200	314993	0			
Affected Population	ducks								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JEOLLANAM-DO- (this report - submitted) - Outbreak cluster	3	Gokseong-gun		Farm	Okgwa-myeon	35.2755785	127.1377218	26/09/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	44800	...	0	44800	0			
Affected Population	ducks								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JEOLLANAM-DO- (this report - submitted)	-	Damyang-gun		Farm	Yong-myeon	35.3850377	126.9665016	01/10/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	3	3	3	0	0			
Affected Population	chickens								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JEOLLANAM-DO- (this report - submitted) - Outbreak cluster	13	Naju-si		Farm	Nampyeong-eup	35.0377176	126.8669995	11/10/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	238448	...	0	238448	0			
Affected Population	ducks								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
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Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JEOLLANAM-DO- (this report - submitted) - Outbreak cluster	2	Jangheung-gun		Farm	Jangpyeong-myeon	34.8085317	126.9339188	24/10/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	32000	...	0	32000	0			
Affected Population	ducks								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JEOLLANAM-DO- (this report - submitted)	-	Hwasun-gun		Farm	Buk-myeon	35.1860688	127.1700482	27/10/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	6	6	6	0	0			
Affected Population	chickens								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JEOLLABUK-DO- (this report - submitted) - Outbreak cluster	3	Gimje-si		Farm	Geungu-myeon	35.7964749	127.004318	07/11/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	54515	5	5	54510	0			
Affected Population	ducks								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JEOLLANAM-DO- (this report - submitted)	-	Boseong-gun		Farm	Gyeombaek-myeon	34.7953064	127.1737771	11/11/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	8620	8	8	8612	0			
Affected Population	ducks, chickens								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GYEONGSANGBUK-D O- (this report - submitted)	-	Gyeongju-si		Farm	Sannae-myeon	35.6865041	129.0506503	24/11/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	120	120	120	0	0			
Affected Population	chickens								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GYEONGSANGNAM-D O- (this report - submitted)	-	Yangsan-si		Farm	Myeonggok-dong	35.3483853	129.0820221	11/12/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	656	...	0	656	0			
Affected Population	ducks, chickens								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GYEONGGI-DO- (this report - submitted)	-	Jungwon-gu, Seongnam-si		Farm	Seongnam-dong	37.4302735	127.1281487	22/12/2014	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	3202	...	0	3202	0			

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Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Affected Population	chickens								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
JEOLLANAM-DO- (this report - submitted) - Outbreak cluster	7	Muan-gun		Farm	Illo-eup	34.8615027	126.4763926	06/01/2015	
Birds	Animals	89986	15	15	89971	0			
Affected Population	ducks								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
BUSAN METROPOLITAN CITY- (this report - submitted)	-	Gangseo-gu		Farm	Daejeo 2-dong	35.1891163	128.9254952	13/01/2015	
Birds	Animals	472	...	0	472	0			
Affected Population	chickens, geese, musk ducks, doves								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
GYEONGGI-DO- (this report - submitted) - Outbreak cluster	10	Anseong-si		Farm	Miyang-myeon	36.9629479	127.2082876	13/01/2015	
Birds	Animals	117951	...	0	117951	0			
Affected Population	ducks, chickens, geese								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
GYEONGGI-DO- (this report - submitted) - Outbreak cluster	3	Yeoju-si		Farm	Ganam-eup	37.2174444	127.5787831	14/01/2015	
Birds	Animals	883335	5	5	883330	0			
Affected Population	ducks, chickens								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
JEOLLABUK-DO- (this report - submitted) - Outbreak cluster	3	Jeongeup-si		Farm	Soseong-myeon	35.5802266	126.7729656	17/01/2015	
Birds	Animals	46631	...	0	46631	0			
Affected Population	ducks								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
GYEONGGI-DO- (this report - submitted) - Outbreak cluster	2	Icheon-si		Farm	Janghowon-eup	37.1846217	127.587949	21/01/2015	
Birds	Animals	447051	...	0	447051	0			
Affected Population	chickens								

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Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GYEONGGI-DO- (this report - submitted)	-	Pocheon-si		Farm	Yeongju-myeon	38.0041412	127.2323975	22/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	174373	10	10	174363	0			
Affected Population	chickens								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GYEONGSANGNAM-DO- (this report - submitted)	-	Goseong-gun		Farm	Georyu-myeon	34.9697459	128.376011	22/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	149181	...	0	149181	0			
Affected Population	ducks, chickens, musk ducks								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JEOLLABUK-DO- (this report - submitted) - Outbreak cluster	2	Buan-gun		Farm	Dongjin-myeon	35.7541538	126.772956	26/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	82500	...	0	82500	0			
Affected Population	ducks								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
CHUNGCHEONGNAM-DO- (this report - submitted) - Outbreak cluster	2	Dongnam-gu, Cheonan-si		Farm	Seongnam-myeon	36.7300937	127.2429063	28/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	33323	...	0	33323	0			
Affected Population	ducks								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JEOLLANAM-DO- (this report - submitted) - Outbreak cluster	5	Gurye-gun		Farm	Yongbang-myeon	35.2586819	127.4296922	28/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	78000	...	0	78000	0			
Affected Population	ducks								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GYEONGGI-DO- (this report - submitted)	-	Gimpo-si		Farm	Tongjin-eup	37.6756312	126.6010423	31/01/2015	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	103889	5	5	103884	0			
Affected Population	chickens								

Outbreak summary: Total outbreaks = 80 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	2905255	1377	1377	2903878	0

Epidemiology

Epidemiological comments

The veterinary authority is still implementing epidemiological survey.

Source of the outbreak(s) or origin of infection

• Unknown or inconclusive

Measures applied

Applied	To be applied
<ul style="list-style-type: none"> • control of wildlife reservoirs • stamping out • quarantine • movement control inside the country • zoning • disinfection of infected premises/establishment(s) 	<ul style="list-style-type: none"> • no planned control measures
Animals treated	Vaccination Prohibited
No	Yes

Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	24/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	24/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	24/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	24/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	02/02/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	02/02/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	02/02/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	02/02/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	30/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	30/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	30/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	30/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	30/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	30/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	30/01/2015	Positive

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	30/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	28/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	28/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	28/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	28/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	23/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	23/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	23/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	23/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	23/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	23/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	23/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	23/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	19/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	19/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	19/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	19/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	15/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	15/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	15/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	15/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	15/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	15/01/2015	Positive

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	15/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	15/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	16/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	16/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	16/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	16/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	07/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	07/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	07/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	07/01/2015	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	27/12/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	27/12/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	27/12/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	27/12/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	13/12/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	13/12/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	13/12/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	13/12/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	25/11/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	25/11/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	25/11/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	25/11/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	13/11/2014	Positive

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Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	13/11/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	13/11/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	13/11/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	09/11/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	09/11/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	09/11/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	09/11/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	29/10/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	29/10/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	29/10/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	29/10/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	27/10/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	27/10/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	27/10/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	27/10/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	13/10/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	13/10/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	13/10/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	13/10/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	30/09/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus sequencing	06/10/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	06/10/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	06/10/2014	Positive

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	06/10/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	virus isolation	30/09/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	30/09/2014	Positive
National laboratory	Animal and Plant Quarantine Agency	Birds	real-time PCR	30/09/2014	Positive

Future Reporting

The event is continuing. Weekly follow-up reports will be submitted.

Outbreak maps

