

## Chile - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 3

### GENERAL INFORMATION

COUNTRY/TERRITORY OR ZONE	ANIMAL TYPE	DISEASE CATEGORY	EVENT ID
ZONE	TERRESTRIAL	Listed disease	4922
DISEASE	CAUSAL AGENT	GENOTYPE / SEROTYPE / SUBTYPE	START DATE
Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-)	Highly pathogenic avian influenza virus	H5 (N untyped)	2023/02/10
REASON FOR NOTIFICATION	DATE OF LAST OCCURRENCE	CONFIRMATION DATE	EVENT STATUS
Unusual host species	-	2023/02/16	On-going
END DATE	SELF-DECLARATION		
-	NO		

### REPORT INFORMATION

REPORT NUMBER	REPORT ID	REPORT REFERENCE	REPORT DATE
Follow-up report 3	FUR_159910	-	2023/03/17
REPORT STATUS	NO EVOLUTION REPORT		
Validated	-		

### EPIDEMIOLOGY

#### SOURCE OF EVENT OR ORIGIN OF INFECTION

- Contact with wild species

#### EPIDEMIOLOGICAL COMMENTS

This is the first detection of avian influenza H5N1 in an unusual host in the national territory (marine mammal); sea lion *Otaria flavescens* is the affected species. Regarding organization, the National Directorate of the National Fisheries and Aquaculture Service (SERNAPESCA) carries out the risk assessment and defines the actions to be implemented in each zone; Regional Directorates are responsible for implementing these measures. To date, the agent has not been detected in other marine mammals. Following the first detection of the pathogen, and based on the location where the affected animal got stranded, a disease control zone was defined along the coastline, where notification of stranded animals is reinforced with sectoral users and clinical and molecular surveillance is implemented in animals with signs and symptoms consistent with highly pathogenic avian influenza, aimed at the early detection and timely control of the spread of the virus. In geographic areas that are not within this zone, passive surveillance will be maintained, focusing on the follow-up of reports.

### QUANTITATIVE DATA SUMMARY

#### MEASURING UNIT

Animal

Species		Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
south-american sea lion (wild)	NEW	-	6	6	0	0	0
	TOTAL	-	9	9	0	0	0
marine otter (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	1	0	0	0
all species	NEW	-	6	6	0	0	0
	TOTAL	-	10	10	0	0	0

DIAGNOSTIC DETAILS

CLINICAL SIGNS			METHOD OF DIAGNOSTIC				
YES			Diagnostic test				
Test name	Laboratory	Species sampled	Number of outbreaks sampled	First result date	Latest result date	Result	
Reverse transcription-polymerase chain reaction (RT-PCR)	Laboratorio Lo Aguirre, Servicio Agrícola y Ganadero (SAG)	South-American sea lion	1	2023/02/15	2023/03/13	Positive	

CONTROL MEASURES

CONTROL MEASURES AT EVENT LEVEL	DOMESTIC ANIMALS	WILD ANIMALS
Surveillance outside the restricted zone		Applied
Control of wildlife reservoirs		Applied
Official disposal of carcasses, by-products and waste		Applied
Disinfection		Applied
Surveillance within the restricted zone		Applied

NEW OUTBREAKS

OB\_115990 - HIIAAP\_8 - PLAYA EL COLORADO

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
HIIAAP_8	2023/03/09	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Tarapacá	Iquique	Iquique	Other
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Playa el Colorado	-20.201991 , -70.141205 (Approximate location)	-	Animal
AFFECTED POPULATION DESCRIPTION			
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Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
south-american sea lion (wild)	NEW	-	1	1	0	0	0
wild	TOTAL	-	1	1	0	0	0

#### METHOD OF DIAGNOSTIC

Diagnostic test

#### CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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OB\_115989 - HIIAAP\_7 - DESEMBOCADURA DEL RIO ELQUI

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
HIIAAP_7	2023/03/08	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Coquimbo	Elqui	Coquimbo	Other
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Desembocadura del Rio Elqui	-29.903591 , -71.273245 (Approximate location)	-	Animal

#### AFFECTED POPULATION DESCRIPTION

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Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
south-american sea lion (wild)	NEW	-	1	1	0	0	0
wild	TOTAL	-	1	1	0	0	0

#### METHOD OF DIAGNOSTIC

Diagnostic test

#### CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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OB\_115988 - HIIAAP\_6 - PISAGUA

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
HIIAAP_6	2023/03/07	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Tarapacá	Iquique	Huara	Other
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Pisagua	-19.582257 , -70.20444 (Approximate location)	-	Animal

#### AFFECTED POPULATION DESCRIPTION

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Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
south-american sea lion	NEW	-	2	2	0	0	0

lion (wild) wild	TOTAL	-	2	2	0	0	0
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METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
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OB\_115987 - HIIAAP\_5 - HUMEDAL RIO LLUTA

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
HIIAAP_5	2023/03/01	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Arica y Parinacota	Arica	Arica	Other
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Humedal Rio Lluta	-18.419067 , -70.321289 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

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Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
south-american sea	NEW	-	2	2	0	0	0
lion (wild) wild	TOTAL	-	2	2	0	0	0

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
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