

Avian Influenza Report

Avian Influenza Report is a weekly report produced by the Surveillance Division of the Communicable Disease Branch of the Centre for Health Protection. This report highlights global avian influenza activity in humans and birds.

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Summary

1. Since the previous issue of Avian Influenza Report (AIR), there were no new human cases of avian influenza A(H7N9). Since March 2013 (as of March 18, 2023), there were a total of 1568 human cases of avian influenza A(H7N9) reported globally (all were reported in the seven waves between 2013 and September 2019). The latest case was reported on April 5, 2019.
2. Since the previous issue of AIR, there were no new human cases of avian influenza A(H5N6). Since 2014 (as of March 18, 2023), there were 84 human cases of avian influenza A(H5N6) reported globally and 83 of them occurred in Mainland China. The latest case was reported on February 28, 2023.
3. Since the previous issue of AIR, there were no new human cases of avian influenza A(H5N1). From 2013 to 2022, 0 to 145 confirmed human cases of avian influenza A(H5N1) were reported to the World Health Organization (WHO) annually (according to onset date).* The latest case was reported on March 7, 2023.

* Since November 21, 2012, WHO only publishes information on human cases with avian influenza A(H5N1) infection in "[Influenza at human – animal interface: Monthly Risk Assessment Summary](#)". Only cases of human infection with H5N1 involved in events that are unusual or associated with potential increased risks will be reported in Disease Outbreak News. The latest [report](#) was published in March, 2023.

This week's highlights

(Sources: WHO, NHC, Mainland health authorities, Ministry of Agriculture of the People's Republic of China, Centre for Health Protection (CHP) and World Organisation for Animal Health (OIE))

Table 1. Hong Kong: Confirmed human cases of avian influenza A(H5N1 / H5N6 / H7N9) since previous issue of AIR

	No. of H5 cases (No. of deaths)	No. of H7N9 cases (No. of deaths)	Details
In this reporting period	0(0)	0(0)	-

Table 2. Outside Hong Kong: Confirmed human cases of avian influenza A(H5N1 / H5N6 / H7N9) since previous issue of AIR

Date of report	Country	Province / Region	District / City	Sex	Age	Condition at time of reporting	Subtype of virus
-	-	-	-	-	-	-	-

Table 3. Confirmed human cases of avian influenza A(H5N1) reported to WHO / NHC since 2003 (by onset date) §

Year	Cases	Deaths	Case fatality rate
2003	4	4	100%
2004	46	32	69.6%
2005	98	43	43.9%
2006	115	79	68.7%
2007	88	59	67.0%
2008	44	33	75.0%
2009	73	32	43.8%
2010	48	24	50.0%
2011	62	34	54.8%
2012	32	20	62.5%
2013	39	25	64.1%
2014	52	22	42.3%
2015	145	42	29.0%
2016	10	3	30.0%
2017	4	2	50.0%
2018	0	0	0%
2019	1	1	100%
2020	1	0	0%
2021	2	1	50.0%
2022	6	1	16.7%
2023	3	1	33.3%
Overall	873	458	52.5%

§ Further breakdown by countries is available at [WHO](https://www.who.int) website

Table 4. Confirmed human cases of avian influenza A(H5N1) reported to WHO / NHC since 2003 (by date of reporting)

Countries /Areas	Cumulative no. of cases (December 2003 to March 2023)	No. of recent cases (November 2022 to March 2023)
Azerbaijan	8	0
Bangladesh	8	0
Cambodia	58	2
Canada	1	0
Ecuador	1	1
Mainland China	55#	2
Djibouti	1	0
Egypt	359	0
India	1	0
Indonesia	200	0
Iraq	3	0
Lao People's Democratic Republic	3	0
Myanmar	1	0
Nepal	1	0
Nigeria	1	0
Pakistan	3	0
Spain	2	1
Thailand	25	0
Turkey	12	0
United Kingdom	1	0
United States of America	1	0
Vietnam	128	1
Overall	873	7

Including two cases from Mainland China detected in Hong Kong

Table 5. Cumulative numbers of confirmed cases of human infection with avian influenza A(H5N6) since 2014 and since January 2023 respectively

Confirmed H5N6 human cases have been reported in the following countries / areas		Cumulative no. of cases since 2014 (84 cases in total) (as of March 18, 2023)	Cumulative no. of cases since January 2023 (2 cases in total) (as of March 18, 2023)
Mainland China	Guangxi Zhuang Autonomous Region	20	0
	Guangdong Province	14	1
	Hunan Province	14	1
	Sichuan Province	12	0
	Jiangsu Province	5	0
	Chongqing Municipality	3	0
	Anhui Province	2	0
	Fujian Province	2	0
	Jiangxi Province	3*	0
	Yunnan Province	2	0

Confirmed H5N6 human cases have been reported in the following countries / areas		Cumulative no. of cases since 2014 (84 cases in total) (as of March 18, 2023)	Cumulative no. of cases since January 2023 (2 cases in total) (as of March 18, 2023)
	Zhejiang Province	2	0
	Beijing Municipality	1	0
	Guizhou Province	1	0
	Henan Province	1	0
	Hubei Province	1	0
Lao People's Democratic Republic		1	0

* one case was imported from Guangdong Province

Table 6. Cumulative numbers of confirmed cases of human infection with avian influenza A(H7N9) since 2013 and since October 2022 respectively

Confirmed H7N9 human cases have been reported in the following countries / areas		Cumulative no. of cases since 2013 (1568 cases in total) (as of March 18, 2023)	Cumulative no. of cases since October 2022 (0 case in total) (as of March 18, 2023)
Mainland China	Zhejiang Province	310	0
	Guangdong Province	259	0
	Jiangsu Province	252	0
	Fujian Province	108	0
	Anhui Province	99	0
	Hunan Province	95	0
	Shanghai Municipality	57	0
	Jiangxi Province	52	0
	Sichuan Province	38	0
	Beijing Municipality	35	0
	Guangxi Zhuang Autonomous Region	31	0
	Hubei Province	31	0
	Hebei Province	29	0
	Henan Province	28	0
	Shandong Province	28	0
	Guizhou Province	20	0
	Xinjiang Uygur Autonomous Region	14	0
	Chongqing Municipality	9	0
	Yunnan Province	8	0
	Shaanxi Province	7	0
	Gansu Province	6	0
	Liaoning Province	5	0
	Tianjin Municipality	5	0
	Jilin Province	3	0
	Shanxi Province	3	0
	Tibet Autonomous Region	3	0
Inner Mongolia Autonomous Region	2	0	
Hong Kong		21*	0
Taiwan		5*	0
Canada		2*	0

Confirmed H7N9 human cases have been reported in the following countries / areas	Cumulative no. of cases since 2013 (1568 cases in total) (as of March 18, 2023)	Cumulative no. of cases since October 2022 (0 case in total) (as of March 18, 2023)
Macao	2 [#]	0
Malaysia	1*	0

* All cases imported from Mainland China

[#]The latest case imported from Mainland China

Table 7. Confirmed human cases of avian influenza A infections other than avian influenza A(H5N1 / H5N6 / H7N9) reported in the past 6 months (as of March 20, 2023)

	Place of occurrence	No. of cases (No. of deaths)	Details
In this reporting period	-	0(0)	-
Previously reported cases (onset/ reported in the past 6 months)	Mainland China	6(0)	<p>Avian influenza A(H9N2):</p> <ul style="list-style-type: none"> ◆ Gansu Province: <ul style="list-style-type: none"> ▫ A 3-year-old boy with onset on September 20, 2022. ▫ A 5-year-old girl with onset on October 23, 2022. ◆ Hunan Province: <ul style="list-style-type: none"> ▫ A 58-year-old man with onset on October 19, 2022. ▫ A 9-month-old girl with onset on November 15, 2022. ◆ Sichuan Province: <ul style="list-style-type: none"> ▫ A 6-year-old girl with onset on October 23, 2022. ◆ Anhui Province: <ul style="list-style-type: none"> ▫ A 3-year-old boy with onset on November 13, 2022.

Table 8. Hong Kong: Confirmed reports of avian influenza A(H5) or avian influenza A(H7N9) in poultry / wild birds / environmental samples since 2015

	No. of reports of H5 in poultry / wild birds / environmental samples	No. of reports of H7N9 in poultry / wild birds / environmental samples	Details
In this reporting period	0	0	-
Previously reported cases since 2015	23*	1 [#]	-

	No. of reports of H5 in poultry / wild birds / environmental samples	No. of reports of H7N9 in poultry / wild birds / environmental samples	Details
(before this reporting period)			

- * [Carcass of a peregrine falcon found in Yuen Long on April 9, 2015 \(H5N6\)](#)
[Carcass of an oriental magpie robin found in Sai Kung on April 29, 2015 \(H5N6\)](#)
[Carcass of an oriental magpie robin found in Kwai Chung on November 17, 2015 \(H5N6\)](#)
[Carcass of a great egret found in Wong Tai Sin on December 31, 2015 \(H5N6\).](#)
[Chicken carcass found in Tuen Mun on February 14, 2016 \(H5N6\)](#)
[Chicken carcass found in Tai O on February 18, 2016 \(H5N6\)](#)
[Samples of faecal droppings collected at Mai Po Nature Reserve on November 25, 2016 \(H5N6\)](#)
[A sample of faecal droppings collected at Mai Po Nature Reserve on November 30, 2016 \(H5N6\)](#)
[A dead red-whiskered bulbul collected at Kowloon City on April 7, 2017 \(H5N6\)](#)
[A dead oriental magpie robin found in Tseung Kwan O on December 21, 2017 \(H5N6\)](#)
[A dead black-faced spoonbill found in the Hong Kong Wetland Park in Tin Shui Wai on December 21, 2017 \(H5N6\)](#)
[An environmental swab of a chopping board and skin swabs of a chilled duck sample taken from a fresh provision shop in Wan Chai on 2 January & 9 January, 2018 \(H5N6\)](#)
[An oropharyngeal swab from a batch of chilled chicken taken at a fresh provision shop in Mong Kok, reported on 23 January, 2018 \(H5N6\)](#)
[A black-headed gull carcass found in Ngau Hom Tsuen, Lau Fau Shan on February 8, 2018 \(H5N6\)](#)
[A dead crested myna found at Kun Lung Wai, Fanling reported on April 9, 2018 \(H5N6\)](#)
[A swab sample taken from a bird cage housing a hill myna at a pet bird shop in Yuen Po Street Bird Garden in Mong Kok on 7 April, 2018 \(H5N6\)](#)
[Samples of faecal droppings collected at Mai Po Nature Reserve reported on January 14, 2021 \(H5N8\)](#)
[Carcass of a peregrine falcon found in Wu Kai Sha reported on February 1, 2021 \(H5N8\)](#)
[Carcass of a black-faced spoonbill found in the Hong Kong Wetland Park in Tin Shui Wai reported on December 20, 2021 \(H5N1\)](#)
[Carcass of a Eurasian Curlew found in the Mai Po Nature Reserve reported on January 26, 2022 \(H5N1\)](#)
[Environmental sample collected from Mai Po Nature Reserve on November 9, 2022 \(H5N1\)](#)
[Carcass of a black-faced spoonbill found in Mai Po Nature Reserve reported on November 30, 2022 \(H5N1\)](#)
[Black-faced spoonbill carcass found in Hong Kong Wetland Park reported on December 12, 2022 \(H5N1\)](#)
- # [A sample of faecal droppings of live poultry taken from a poultry stall in Yan Oi Market in Tuen Mun reported on June 5, 2016 \(H7N9\)](#)

Table 9. Outside Hong Kong: Confirmed avian influenza A(H5) or other highly pathogenic avian influenza in poultry / wild birds / environmental samples reported in this week – number of reports for various subtypes of virus

Subtype of virus	No. of reports
H5	4
H5N1	50
H5N2	1

Table 10. Outside Hong Kong: Confirmed avian influenza A(H5) or other highly pathogenic avian influenza in poultry / wild birds / environmental samples reported in this week – details of reports

Places of Occurrence	Details	OIE Report Date
Argentina	Samples from poultry and birds in Neuquén, Buenos Aires and Río Negro were tested positive for highly	March 13, 2023 March 14, 2023

Places of Occurrence	Details	OIE Report Date
	pathogenic avian influenza A(H5).	
	Samples from birds in Santa Fe, Chaco, San Luis, Córdoba, La Pampa, Santiago del Estero, Salta and Jujuy were tested positive for highly pathogenic avian influenza A(H5).	March 14, 2023
Chile	Samples from poultry and birds in Libertador General Bernardo O'Higgins were tested positive for highly pathogenic avian influenza A(H5N1).	March 13, 2023 March 14, 2023
	Samples from birds in Bío-Bío, Araucanía, Ñuble, Valparaíso, Tarapacá, Coquimbo, Maule, Antofagasta, Atacama and Arica y Parinacota were tested positive for highly pathogenic avian influenza A(H5N1).	March 13, 2023
Ecuador	Samples from poultry in Imbabura, Cotopaxi, Azuay, Tungurahua, Pichincha and Bolivar were tested positive for highly pathogenic avian influenza A(H5N1).	March 13, 2023
	Samples from birds in Manabi, El Oro and Ecuadorian Exclusive Economic Zone were tested positive for highly pathogenic avian influenza A(H5N1).	March 14, 2023 March 15, 2023
France	Samples from birds in Grand Est, Pays de la Loire, Centre-Val de Loire, Auvergne-Rhône-Alpes, Hauts-de-France, Normandie, Bourgogne-Franche-Comté, Île-de-France, Occitanie, Nouvelle-Aquitaine, Bretagne and French Exclusive Economic Zone were tested positive for highly pathogenic avian influenza A(H5N1).	March 13, 2023
Senegal	Samples from birds in Saint-Louis and Dakar were tested positive for highly pathogenic avian influenza A(H5N1).	March 13, 2023 March 14, 2023
Spain	Samples from poultry and birds in Cataluña were tested positive for highly pathogenic avian influenza A(H5N1).	March 13, 2023
	Samples from poultry in Castilla y León were tested positive for highly pathogenic avian influenza A(H5N1).	March 13, 2023
	Samples from birds in País Vasco, Galicia and Aragón were tested positive for highly pathogenic avian influenza A(H5N1).	March 13, 2023
Czech Republic	Samples from poultry and birds in Středočeský, Plzeňský and Jihočeský were tested positive for highly pathogenic	March 14, 2023

Places of Occurrence	Details	OIE Report Date
	avian influenza A(H5N1).	
	Samples from birds in Jihomoravský, Pardubický, Prague, Kraj Vysočina, Moravskoslezský, Ústecký, Královéhradecký and Zlínský were tested positive for highly pathogenic avian influenza A(H5N1).	March 14, 2023
Germany	Samples from poultry and birds in Bayern and Rheinland-Pfalz were tested positive for highly pathogenic avian influenza A(H5N1).	March 14, 2023 March 15, 2023 March 16, 2023
	Samples from birds in Baden-Württemberg, Nordrhein-Westfalen, Saarland, Sachsen and Sachsen-Anhalt were tested positive for highly pathogenic avian influenza A(H5N1).	March 14, 2023 March 15, 2023
	Samples from poultry in Schleswig-Holstein were tested positive for highly pathogenic avian influenza A(H5N1).	March 16, 2023
Japan	Samples from birds in Tochigi, Niigata, Miyagi, Ibaraki, Fukuoka, Hyōgo, Akita, Okayama, Shiga, Shizuoka, Toyama, Kagoshima, Miyazaki, Gunma, Yamagata, Iwate, Wakayama, Kagawa, Kumamoto, Hokkaido, Saitama, Ishikawa, Fukushima and Nagasaki were tested positive for highly pathogenic avian influenza A(H5N1).	March 14, 2023 March 16, 2023
	Samples from poultry in Oita were tested positive for highly pathogenic avian influenza A(H5N2).	March 16, 2023
Panama	Samples from birds in Panamá Oeste, Colón, Veraguas and Panamanian Exclusive Economic Zone were tested positive for highly pathogenic avian influenza A(H5N1).	March 14, 2023
Colombia	Samples from birds in Nariño, Valle del Cauca, Córdoba, Sucre, Magdalena, Bolívar and Chocó were tested positive for highly pathogenic avian influenza A(H5N1).	March 15, 2023
Italy	Samples from poultry and birds in Veneto were tested positive for highly pathogenic avian influenza A(H5N1).	March 15, 2023
	Samples from birds in Emilia-Romagna, Lombardia, Trento and Friuli-Venezia Giulia were tested positive for highly pathogenic avian influenza A(H5N1).	March 15, 2023
Nepal	Samples from poultry in Bagmati Pradesh were tested positive for highly pathogenic avian influenza A(H5N1).	March 15, 2023
Austria	Samples from poultry and birds in Oberösterreich were	March 16, 2023

Places of Occurrence	Details	OIE Report Date
	tested positive for highly pathogenic avian influenza A(H5N1).	March 17, 2023
	Samples from poultry in Steiermark were tested positive for highly pathogenic avian influenza A(H5N1).	March 16, 2023
	Samples from birds in Wien, Niederösterreich, Kärnten, Salzburg and Tirol were tested positive for highly pathogenic avian influenza A(H5N1).	March 17, 2023
Belgium	Samples from birds in Wallonie, Vlaanderen and Belgian Exclusive Economic Zone were tested positive for highly pathogenic avian influenza A(H5N1).	March 16, 2023
Bhutan	Samples from birds in Samtse were tested positive for highly pathogenic avian influenza A(H5N1).	March 16, 2023
Hungary	Samples from poultry and birds in Bács-Kiskun, Békés and Hajdú-Bihar were tested positive for highly pathogenic avian influenza A(H5N1).	March 16, 2023
	Samples from poultry in Csongrád-Csanád were tested positive for highly pathogenic avian influenza A(H5N1).	March 16, 2023
	Samples from birds in Győr-Moson-Sopron, Pest, Budapest, Jász-Nagykun-Szolnok, Borsod-Abaúj-Zemplén, Somogy, Tolna, Csongrád, Komárom-Esztergom, Fejér, Szabolcs-Szatmár-Bereg, Vas and Baranya were tested positive for highly pathogenic avian influenza A(H5N1).	March 16, 2023
Switzerland	Samples from birds in Zürich, Fribourg, Neuchâtel, Aargau, Thurgau, Vaud, Schaffhausen, Lucerne, Bern, Zug, Basel-Landschaft and Ticino were tested positive for highly pathogenic avian influenza A(H5N1).	March 16, 2023
United States of America	Samples from poultry and birds in Pennsylvania, Tennessee, Colorado, Virginia, Michigan, Iowa, Florida, North Dakota, Wisconsin, Nebraska, New York, Washington, Kansas, New Hampshire, California, South Dakota, Idaho, Montana, Kentucky, Minnesota, Indiana, Delaware and Utah were tested positive for highly pathogenic avian influenza A(H5N1).	March 16, 2023
	Samples from poultry in Mississippi and Illinois were tested positive for highly pathogenic avian influenza A(H5N1).	March 16, 2023

Places of Occurrence	Details	OIE Report Date
	Samples from birds in Wyoming, Texas, South Carolina, Nevada, Ohio, Massachusetts, District of Columbia, New Jersey, Oklahoma, Rhode Island, New Mexico, Missouri, North Carolina, Arkansas, Connecticut, Maine, Oregon, Georgia, West Virginia, Alabama and Vermont were tested positive for highly pathogenic avian influenza A(H5N1).	March 16, 2023
Uruguay	Samples from birds in Canelones, Maldonado, Montevideo and Tacuarembó were tested positive for highly pathogenic avian influenza A(H5).	March 16, 2023
Cuba	Samples from birds in Ciudad de la Habana were tested positive for highly pathogenic avian influenza A(H5N1).	March 17, 2023
Denmark	Samples from poultry in Veterinary Inspection Unit East were tested positive for highly pathogenic avian influenza A(H5N1).	March 17, 2023
Netherlands	Samples from poultry in Groningen, Drenthe, Gelderland, Zuid-Holland, Overijssel, Friesland, Limburg, Noord-Brabant, Zeeland, Flevoland, Utrecht and Noord-Holland were tested positive for highly pathogenic avian influenza A(H5N1).	March 17, 2023
Turkey	Samples from poultry in Denizli and Afyon were tested positive for highly pathogenic avian influenza A(H5N1).	March 17, 2023
United Kingdom	Samples from poultry and birds in England, Scotland and Wales were tested positive for highly pathogenic avian influenza A(H5N1).	March 17, 2023
	Samples from birds in Northern Ireland and Isle of Man were tested positive for highly pathogenic avian influenza A(H5N1).	March 17, 2023
Poland	Samples from birds in Wielkopolskie, Kujawsko-Pomorskie, Świętokrzyskie, Dolnośląskie, Pomorskie, Polish Exclusive Economic Zone, Mazowieckie, Podkarpackie, Opolskie, Warmińsko-Mazurskie, Małopolskie, Lubelskie, Śląskie, Zachodniopomorskie and Łódzkie were tested positive for highly pathogenic avian influenza A(H5N1).	March 20, 2023

For cumulative reports of avian influenza A(H5) or other highly pathogenic avian influenza in poultry / wild birds, please refer to the [OIE](#) website.

Table 11. Countries / areas with documented human infection with avian influenza A(H7N9) or highly pathogenic avian influenza (including infections in humans/birds and relevant environmental samples) in the past 6 months (as of March 20, 2023)

Countries / Areas	Human cases		Poultry cases / other related samples		Wild bird cases / other related samples	
	Subtype of virus	Date of last report / onset of last reported case (Subtype in this report)	Subtype of virus	Date of last report (Subtype in this report)	Subtype of virus	Date of last report (Subtype in this report)
Algeria	-	-	H5	12/12/2022 (H5N1)	-	-
Argentina	-	-	H5	13/03/2023*	H5	14/03/2023*
Austria	-	-	H5	16/03/2023 (H5N1)	H5	17/03/2023 (H5N1)
Belgium	-	-	H5	24/02/2023 (H5N1)	H5	13/03/2023* 16/03/2023 (H5N1)
Bhutan	-	-	-	-	H5	16/03/2023 (H5N1)
Bolivia	-	-	H5	15/02/2023 (H5N1)	H5	15/02/2023 (H5N1)
Bulgaria	-	-	H5	07/02/2023 (H5N1)	-	-
Cambodia	H5	14/02/2023 (H5N1)	-	-	H5	06/03/2023 (H5N1)
Canada	-	-	H5	09/03/2023 (H5N1)	H5	24/02/2023* 09/03/2023 (H5N1)
Chile	-	-	H5	14/03/2023 (H5N1)	H5	13/03/2023 (H5N1)
Colombia	-	-	-	-	H5	15/03/2023 (H5N1)
Costa Rica	-	-	-	-	H5	03/03/2023*
Cuba	-	-	-	-	H5	17/03/2023 (H5N1)
Cyprus	-	-	-	-	H5	09/12/2022 (H5N1)
Czech Republic	-	-	H5	14/03/2023 (H5N1)	H5	14/03/2023 (H5N1)
Denmark	-	-	H5	17/03/2023 (H5N1)	H5	23/02/2023 (H5N1)
Ecuador	H5	25/12/2022 (H5N1)	H5	28/11/2022* 13/03/2023 (H5N1)	H5	31/01/2023* 15/03/2023 (H5N1)
Egypt	-	-	Endemic (H5)	Endemic (H5N1)	-	-
Estonia	-	-	H5	03/03/2023 (H5N1)	-	-
Faroe Islands	-	-	-	-	H5	09/03/2023 (H5N1)
Finland	-	-	-	-	H5	12/10/2022 (H5N5) 09/11/2022 (H5N1)
France	-	-	H5	13/03/2023 (H5N1)	H5	13/03/2023 (H5N1)
Germany	-	-	H5	16/03/2023 (H5N1)	H5	15/03/2023 (H5N1)
Greenland	-	-	-	-	H5	05/01/2023 (H5N1)
Guatemala	-	-	-	-	H5	27/02/2023 (H5N1)
Honduras	-	-	-	-	H5	12/03/2023 (H5N1)

Countries / Areas	Human cases		Poultry cases / other related samples		Wild bird cases / other related samples	
	Subtype of virus	Date of last report / onset of last reported case (Subtype in this report)	Subtype of virus	Date of last report (Subtype in this report)	Subtype of virus	Date of last report (Subtype in this report)
Hong Kong Special Administrative Region	-	-	-	-	H5	12/12/2022 (H5N1)
Hungary	-	-	H5	16/03/2023 (H5N1)	H5	16/03/2023 (H5N1)
Iceland	-	-	H5	23/11/2022 (H5N1)	H5	29/12/2022 (H5N1)
India	-	-	H5	09/03/2023 (H5N1)	-	-
Indonesia	-	-	Endemic (H5)	Endemic (H5N1)	-	-
Ireland	-	-	H5	09/12/2022 (H5N1)	H5	03/03/2023 (H5N1)
Israel	-	-	H5	11/01/2023 (H5N1)	H5	04/01/2023 (H5N1)
Italy	-	-	H5	15/03/2023 (H5N1)	H5	15/03/2023 (H5N1)
Japan	-	-	H5	10/03/2023 (H5N1) 16/03/2023 (H5N2)	H5	08/11/2022 (H5N2) 08/03/2023* 16/03/2023 (H5N1)
Korea	-	-	H5	04/01/2023 (H5N1)	-	-
Latvia	-	-	-	-	H5	27/12/2022 (H5N1)
Luxembourg	-	-	-	-	H5	30/01/2023 (H5N1)
Mainland China						
Guangdong	H5	17/12/2022 (H5N6)	-	-	-	-
Guangxi	H5	22/09/2022 (H5N1)	-	-	-	-
Hunan	H5	02/11/2022 (H5N6)	-	-	-	-
Jiangsu	H5	31/01/2023 (H5N1)	-	-	-	-
Mexico	-	-	H5	07/03/2023 (H5N1)	H5	02/02/2023 (H5N1)
Moldova	-	-	H5	13/02/2023 (H5N1)	-	-
Nepal	-	-	H5	15/03/2023 (H5N1)	H5	02/03/2023 (H5N1)
Netherlands	-	-	H5	17/03/2023 (H5N1)	H5	24/12/2022 (H5N1)
Niger	-	-	H5	02/01/2023 (H5N1)	-	-
Nigeria	-	-	H5	07/01/2023 (H5N1)	H5	24/11/2022 (H5N1)
North Macedonia	-	-	-	-	H5	09/11/2022 (H5N1)
Norway	-	-	H5	30/12/2022 (H5N1)	H5	23/12/2022* 29/12/2022 (H5N5) 24/02/2023 (H5N1)
Panama	-	-	-	-	H5	14/03/2023 (H5N1)
Peru	-	-	H5	27/02/2023*	H5	23/02/2023*

Countries / Areas	Human cases		Poultry cases / other related samples		Wild bird cases / other related samples	
	Subtype of virus	Date of last report / onset of last reported case (Subtype in this report)	Subtype of virus	Date of last report (Subtype in this report)	Subtype of virus	Date of last report (Subtype in this report)
Philippines	-	-	H5	18/01/2023 (H5N1)	-	-
Poland	-	-	H5	03/03/2023 (H5N1)	H5	20/03/2023 (H5N1)
Portugal	-	-	H5	01/10/2022 (H5N1)	H5	23/11/2022 (H5N1)
Reunion	-	-	H5	13/10/2022 (H5N1)	H5	12/10/2022 (H5N1)
Romania	-	-	H5	30/01/2023 (H5N1)	H5	03/03/2023 (H5N1)
Russia	-	-	H5	14/11/2022 (H5N1)	H5	14/02/2023 (H5N1)
Senegal	-	-	-	-	H5	14/03/2023 (H5N1)
Serbia	-	-	H5	04/11/2022 (H5N1)	H5	24/01/2023 (H5N1)
Slovakia	-	-	H5	06/02/2023 (H5N1)	H5	08/02/2023 (H5N1)
Slovenia	-	-	H5	27/02/2023 (H5N1)	H5	03/03/2023 (H5N1)
South Africa	-	-	H5	14/11/2022 (H5N2) 08/03/2023 (H5N1)	H5	08/03/2023 (H5N1)
Spain	H5	13/10/2022 (H5N1)	H5	13/03/2023 (H5N1)	H5	13/03/2023 (H5N1)
Sweden	-	-	-	-	H5	02/03/2023 (H5N5) 06/03/2023 (H5N1)
Switzerland	-	-	-	-	H5	16/03/2023 (H5N1)
Taiwan	-	-	H5	14/02/2023 (H5N5) 23/02/2023 (H5N2) 08/03/2023 (H5N1)	H5	02/03/2023 (H5N1)
Turkey	-	-	H5	17/03/2023 (H5N1)	-	-
United Kingdom	-	-	H5	10/03/2023 (H5N1)	H5	28/10/2022 (H5N8) 17/03/2023 (H5N1)
United States of America	-	-	H5	26/10/2022 (H5N4) 16/03/2023 (H5N1)	H5	16/03/2023 (H5N1)
Uruguay	-	-	H5	03/03/2023*	H5	16/03/2023*
Venezuela	-	-	-	-	H5	02/12/2022 (H5N1)
Vietnam	H5	05/10/2022 (H5N1)	H5	26/10/2022 (H5N1)	-	-

Sources: WHO, OIE, NHC and other official websites

* without further subtype information