

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.

VOLUME 17, NUMBER 51

Reporting period: December 12, 2021 – December 18, 2021 (Week 51)

(Published on December 21, 2021)

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 December 18, 2021), 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, four confirmed human cases of avian influenza A(H5N6) from Guangxi Zhuang Autonomous Region and Hunan Province were reported by the National Health Commission (NHC). Since 2014 (as of December 18, 2021), there were 58 human cases of avian influenza A(H5N6) reported globally and 57 of them occurred in Mainland China. The latest case was reported on December 15, 2021.
3. Since the previous issue of AIR, there were no new human cases of avian influenza A(H5N1). From 2011 to 2021, 0 to 145 confirmed human cases of avian influenza A(H5N1) were reported to WHO annually (according to onset date)*. The latest case was reported on August 16, 2021.

* 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 October, 2021.

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
15/12/2021	Mainland China	Guangxi	Nanning	M	3	Serious	H5N6
15/12/2021	Mainland China	Hunan	Hengyang	M	49	Serious	H5N6
15/12/2021	Mainland China	Hunan	Yongzhou	M	72	Serious	H5N6
15/12/2021	Mainland China	Hunan	Hengyang	M	58	Mild	H5N6

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	1	1	100%
Overall	863	456	52.8%

§ 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 December 2021)	No. of recent cases (August 2021 to December 2021)
Azerbaijan	8	0
Bangladesh	8	0
Cambodia	56	0
Canada	1	0
Mainland China	53 [#]	0
Djibouti	1	0
Egypt	359	0
India	1	1
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
Thailand	25	0
Turkey	12	0
Vietnam	127	0
Overall	863	1

[#] 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 2021 respectively

Confirmed H5N6 human cases have been reported in the following countries / areas	Cumulative no. of cases since 2014 (58 cases in total) (as of December 18, 2021)	Cumulative no. of cases since January 2021 (32 cases in total) (as of December 18, 2021)
Hunan Province	13	9
Guangdong Province	12	4
Guangxi Zhuang Autonomous Region	11	7
Sichuan Province	7	6
Chongqing Municipality	3	3
Anhui Province	2	1
Jiangsu Province	2	0
Yunnan Province	2	0
Beijing Municipality	1	0
Fujian Province	1	0
Guizhou Province	1	1
Hubei Province	1	0
Jiangxi Province	1*	0
Lao People's Democratic Republic	1	1

* Imported case from Guangdong

Table 6. Cumulative numbers of confirmed cases of human infection with avian influenza A(H7N9) since 2013 and since October 2021 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 December 18, 2021)	Cumulative no. of cases since October 2021 (0 case in total) (as of December 18, 2021)
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
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 December 20, 2021)

	Place of occurrence	No. of cases (No. of deaths)	Details
In this reporting	Mainland China	1(0)	Avian influenza A(H9N2):

	Place of occurrence	No. of cases (No. of deaths)	Details
period			<ul style="list-style-type: none"> ▪ Guangdong Province: <ul style="list-style-type: none"> ▫ A 7-year-old boy with onset on November 28, 2021.
Previously reported cases (onset/ reported in the past 6 months)	Mainland China	5(1)	<p>Avian influenza A(H9N2):</p> <ul style="list-style-type: none"> ▪ Jiangsu Province: <ul style="list-style-type: none"> ▫ An 8-year-old girl with onset on June 3, 2021. ▪ Hunan Province: <ul style="list-style-type: none"> ▫ A 20-month-old girl with onset on August 23, 2021. ▪ Guizhou Province: <ul style="list-style-type: none"> ▫ A 11-year-old boy with onset on September 6, 2021. ▫ A 39-year-old male with onset on October 29, 2021. ▪ Guangdong Province: <ul style="list-style-type: none"> ▫ A 3-year-old girl with onset on September 26, 2021.

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	1*	0	Avian influenza A(H5N1): A carcass of a black-faced spoonbill found in the Hong Kong Wetland Park in Tin Shui Wai was confirmed to be positive for avian influenza A(H5N1).
Previously reported cases since 2015 (before this reporting period)	18*	1#	-

* [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 \(H5N1\)](#)
[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	3
H5N1	54
H5N8	3

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
France	Samples from birds in Bretagne, Grand Est and Auvergne-Rhône-Alpes were tested positive for highly pathogenic avian influenza A(H5N1).	December 8, 2021 December 15, 2021
	Samples from poultry in Hauts-de-France were tested positive for highly pathogenic avian influenza A(H5N1).	December 15, 2021 December 17, 2021
	Samples from poultry and birds in Occitanie were tested positive for highly pathogenic avian influenza A(H5N1).	December 17, 2021 December 20, 2021
Austria	Samples from birds in Niederösterreich and Wien were tested positive for highly pathogenic avian influenza A(H5N1).	December 14, 2021 December 20, 2021

Finland	Samples from birds in Southern Finland, Western Finland, Finnish Exclusive Economic Zone and Eastern Finland were tested positive for highly pathogenic avian influenza A(H5N1) and A(H5N8).	December 14, 2021
	Samples from birds in Lapland were tested positive for highly pathogenic avian influenza A(H5N1).	December 14, 2021
Germany	Samples from poultry and birds in Niedersachsen were tested positive for highly pathogenic avian influenza A(H5N1).	December 14, 2021 December 15, 2021
	Samples from birds in Mecklenburg-Vorpommern were tested positive for highly pathogenic avian influenza A(H5N1).	December 15, 2021
	Samples from poultry in Nordrhein-Westfalen were tested positive for highly pathogenic avian influenza A(H5N1).	December 17, 2021
Japan	Samples from poultry in Hiroshima, Kagoshima, Chiba, Kumamoto, Hygo, Saitama and Aomori were tested positive for highly pathogenic avian influenza A(H5N1).	December 14, 2021 December 17, 2021
Korea	Samples from poultry and birds in Chungcheongbuk-do, Jeollanam-do and Chungcheongnam-do were tested positive for highly pathogenic avian influenza A(H5N1).	December 14, 2021 December 15, 2021 December 20, 2021
	Samples from birds in Gyeonggi-do, Busan, Jeollabuk-do and Gyeongsangbuk-do were tested positive for highly pathogenic avian influenza A(H5N1).	December 15, 2021
	Samples from poultry in Sejong were tested positive for highly pathogenic avian influenza A(H5N1).	December 20, 2021
Latvia	Samples from birds in Rojas were tested positive for highly pathogenic avian influenza A(H5N1).	December 14, 2021
	Samples from birds in Jūrmala, Engures, Ventspils City, Pāvilostas, Latvian Exclusive Economic Zone, Rīga, Mērsraga, Liepāja and Saldus were tested positive for highly pathogenic avian influenza A(H5N8).	December 14, 2021
Poland	Samples from poultry and birds in Mazowieckie, ódskie and Wielkopolskie were tested positive for highly pathogenic avian influenza A(H5N1).	December 14, 2021 December 15, 2021 December 20, 2021

	Samples from poultry in Lubuskie, Warmisko-Mazurskie and Kujawsko-Pomorskie were tested positive for highly pathogenic avian influenza A(H5N1).	December 15, 2021 December 17, 2021 December 20, 2021
Sweden	Samples from poultry and birds in Skåne were tested positive for highly pathogenic avian influenza A(H5N1).	December 14, 2021 December 15, 2021 December 18, 2021 December 20, 2021
	Samples from birds in Kalmar and Halland were tested positive for highly pathogenic avian influenza A(H5N1).	December 14, 2021 December 18, 2021 December 20, 2021
	Samples from birds in Östergötland were tested positive for highly pathogenic avian influenza A(H5N8).	December 14, 2021
Ukraine	Samples from birds in Kherson were tested positive for highly pathogenic avian influenza A(H5).	December 14, 2021
Denmark	Samples from birds in Sjælland, Hovedstaden, Syddanmark, Nordjylland, Midtjylland, Danish Exclusive Economic Zone and Hovedstaden were tested positive for highly pathogenic avian influenza A(H5N1).	December 15, 2021
Luxembourg	Samples from birds in Grevenmacher were tested positive for highly pathogenic avian influenza A(H5N1).	December 15, 2021
Netherlands	Samples from birds in Gelderland, Zeeland and IJsselmeer were tested positive for highly pathogenic avian influenza A(H5N1).	December 15, 2021
	Samples from birds in Zuid-Holland and Noord-Brabant were tested positive for highly pathogenic avian influenza A(H5) and A(H5N1).	December 15, 2021 December 20, 2021
	Samples from poultry and birds in Utrecht, Noord-Holland and Friesland were tested positive for highly pathogenic avian influenza A(H5) and A(H5N1).	December 15, 2021 December 20, 2021
	Samples from poultry and birds in Flevoland, Overijssel and Groningen were tested positive for highly pathogenic avian influenza A(H5N1).	December 15, 2021 December 20, 2021

South Africa	Samples from poultry and birds in Western Cape, Gauteng, North West, Free State, Eastern Cape and KwaZulu-Natal were tested positive for highly pathogenic avian influenza A(H5N1).	December 15, 2021
	Samples from poultry in Mpumalanga were tested positive for highly pathogenic avian influenza A(H5N1).	December 15, 2021
	Samples from birds in Limpopo were tested positive for highly pathogenic avian influenza A(H5N1).	December 15, 2021
India	Samples from poultry in Kerala were tested positive for highly pathogenic avian influenza A(H5N1).	December 16, 2021
Norway	Samples from birds in Rogaland, Hordaland and Buskerud were tested positive for highly pathogenic avian influenza A(H5N1).	December 16, 2021
Belgium	Samples from birds in Vlaanderen and Belgian were tested positive for highly pathogenic avian influenza A(H5N1).	December 17, 2021
Czech Republic	Samples from poultry and birds in Jihoeský were tested positive for highly pathogenic avian influenza A(H5N1).	December 17, 2021 December 20, 2021
	Samples from birds in Plzeský, Jihomoravský, Královéhradecký, Liberecký, Zlínský and Olomoucký were tested positive for highly pathogenic avian influenza A(H5N1).	December 20, 2021
Hungary	Samples from birds in Baranya, Budapest, Vas, Hajdú-Bihar and Zala were tested positive for highly pathogenic avian influenza A(H5N1).	December 17, 2021
	Samples from poultry in Bács-Kiskun, Csongrád, Békés, Hajdú-Bihar and Szabolcs-Szatmár-Bereg were tested positive for highly pathogenic avian influenza A(H5N1).	December 17, 2021
Ireland	Samples from birds in Offaly, Kerry, Longford, Monaghan, Wexford, Roscommon, Galway, Donegal, Dublin, Waterford and Tipperary were tested positive for highly pathogenic avian influenza A(H5N1).	December 17, 2021
Italy	Samples from birds in Lombardia, Friuli-Venezia Giulia, Veneto, Lazio and Apulia were tested positive for highly pathogenic avian influenza A(H5N1).	December 17, 2021

Russia	Samples from poultry in Rostov were tested positive for highly pathogenic avian influenza A(H5N1).	December 17, 2021
Estonia	Samples from birds in Hiiu were tested positive for highly pathogenic avian influenza A(H5N1).	December 20, 2021
United Kingdom	Samples from poultry and birds in England, Wales, Scotland and Northern Ireland were tested positive for highly pathogenic avian influenza A(H5N1).	December 20, 2021

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 December 20, 2021)

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)
Albania	-	-	H5	24/06/2021 (H5N8)	-	-
Austria	-	-	H5	26/11/2021 (H5N1)	H5	20/12/2021 (H5N1)
Belgium	-	-	H5	09/12/2021 (H5N1)	H5	15/09/2021 (H5N8) 30/11/2021* 17/12/2021 (H5N1)
Benin	-	-	H5	09/09/2021*	-	-
Bosnia and Herzegovina	-	-	-	-	H5	12/11/2021 (H5N1)
Botswana	-	-	H5	06/09/2021 (H5N1)	-	-
Bulgaria	-	-	H5	12/07/2021*	-	-
Cote D'Ivoire	-	-	H5	10/09/2021 (H5N1)	-	-
Croatia	-	-	H5	26/11/2021 (H5N1)	H5	06/12/2021 (H5N1)
Czech Republic	-	-	H5	30/07/2021 (H5N8) 26/10/2021* 17/12/2021 (H5N1)	H5	29/06/2021 (H5N8) 20/12/2021 (H5N1)
Denmark	-	-	H5	23/07/2021 (H5N8) 03/11/2021*	H5	15/12/2021 (H5N1)
Egypt	-	-	Endemic (H5)	Endemic (H5N1)	-	-
Estonia	-	-	H5	02/12/2021 (H5N8)	H5	13/10/2021 (H5N8) 20/12/2021 (H5N1)
Finland	-	-	-	-	H5	14/12/2021 (H5N1) 14/12/2021 (H5N8)
France	-	-	H5	05/08/2021 (H5N8) 17/12/2021 (H5N1)	H5 H7	04/08/2021 (H5N3) 09/08/2021* 29/10/2021 (H5N8) 20/12/2021 (H5N1) 29/10/2021 (H7N7)
Germany	-	-	H5	01/07/2021 (H5N8) 14/12/2021 (H5N1)	H5	02/06/2021 (H5N5) 04/06/2021 (H5N4) 11/06/2021 (H5N3)

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)
						11/06/2021 (H5N8) 15/12/2021 (H5N1)
Ghana	-	-	H5	21/07/2021* 05/08/2021 (H5N1)	-	-
Greece	-	-	-	-	H5	10/12/2021 (H5N1)
Hong Kong Special Administrative Region	-	-	-	-	H5	20/12/2021 (H5N1)
Hungary	-	-	H5	17/12/2021 (H5N1)	H5	17/12/2021 (H5N1)
India	H5	12/06/2021 (H5N1)	H5	23/09/2021 (H5N8) 16/12/2021 (H5N1)	H5	07/12/2021 (H5N1) 07/12/2021 (H5N8)
Indonesia	-	-	Endemic (H5)	Endemic (H5N1)	-	-
Iran	-	-	H5	14/09/2021 (H5N8) 30/11/2021 (H5N5)	-	-
Iraq	-	-	H5	17/06/2021 (H5N8)	-	-
Ireland	-	-	H5	10/12/2021 (H5N1)	H5	16/08/2021 (H5N3) 17/12/2021 (H5N1)
Israel	-	-	H5	07/12/2021 (H5N1)	H5	09/12/2021 (H5N1)
Italy	-	-	H5	12/12/2021 (H5N1)	H5	15/06/2021 (H5N8) 17/12/2021 (H5N1)
Japan	-	-	H5	13/12/2021 (H5N8) 17/12/2021 (H5N1)	H5	24/11/2021 (H5N8)
Kazakhstan	-	-	H5	15/11/2021*	-	-
Korea	-	-	H5	20/12/2021 (H5N1)	H5	15/12/2021 (H5N1)
Lao People's Democratic Republic	-	-	H5	14/10/2021*	-	-
Latvia	-	-	-	-	H5	14/12/2021 (H5N1) 14/12/2021 (H5N8)
Lesotho	-	-	H5	07/07/2021*	-	-
Lithuania	-	-	H5	04/08/2021 (H5N8)	H5 H7	04/08/2021 (H5N8) 04/08/2021 (H7N7)
Luxembourg	-	-	-	-	H5	12/11/2021 (H5N8) 15/12/2021 (H5N1)
Mainland China						

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)
Chongqing Municipality	H5	23/06/2021 (H5N6) 16/09/2021 (H5N6)	-	-	-	-
Guangdong	H5	31/07/2021 (H5N6) 13/09/2021 (H5N6) 20/10/2021 (H5N6) 03/12/2021 (H5N6)	-	-	-	-
Guangxi	H5	06/07/2021 (H5N6) 14/08/2021 (H5N6) 17/08/2021 (H5N6) 23/08/2021 (H5N6) 25/08/2021 (H5N6) 15/11/2021 (H5N6)	-	-	-	-
Hebei	-	-	-	-	H5	30/11/2021 (H5N1)
Hunan	H5	26/07/2021 (H5N6) 02/08/2021 (H5N6) 29/08/2021 (H5N6) 08/09/2021 (H5N6) 25/09/2021 (H5N6) 03/10/2021 (H5N6) 22/11/2021 (H5N6) 24/11/2021 (H5N6) 04/12/2021 (H5N6)	-	-	-	-
Ningxia Hui Autonomous Region	-	-	-	-	H5	25/06/2021 (H5N8)
Shaanxi	-	-	-	-	H5	15/06/2021 (H5N8)
Sichuan	H5	22/06/2021 (H5N6) 25/06/2021 (H5N6) 30/06/2021 (H5N6) 13/07/2021 (H5N6) 17/11/2021 (H5N6)	-	-	-	-
Netherlands	-	-	H5	16/07/2021 (H5N8) 20/12/2021 (H5N1)	H5	17/06/2021 (H5N3) 17/06/2021 (H5N4) 03/12/2021 (H5N8)

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)
						15/12/2021 (H5N1) 20/12/2021*
Nigeria	-	-	H5	06/12/2021 (H5N1)	-	-
Norway	-	-	H5	09/12/2021 (H5N1)	H5	03/09/2021 (H5N8) 16/12/2021 (H5N1)
Pakistan	-	-	H5	09/09/2021 (H5N8) 09/12/2021*	-	-
Poland	-	-	H5	24/09/2021 (H5N8) 20/12/2021 (H5N1)	H5	14/12/2021 (H5N1)
Portugal	-	-	H5	07/12/2021 (H5N1)	-	-
Romania	-	-	-	-	H5	10/12/2021 (H5N1)
Russia	-	-	H5	07/12/2021* 17/12/2021 (H5N1)	H5	07/12/2021 (H5N1) 08/12/2021*
Serbia	-	-	-	-	H5	15/10/2021 (H5N8) 29/10/2021 (H5N2) 26/11/2021 (H5N1)
Slovakia	-	-	H5	01/12/2021 (H5N1)	H5	20/09/2021 (H5N8) 03/12/2021 (H5N1)
South Africa	-	-	H5	08/06/2021 (H5N8) 15/12/2021 (H5N1)	H5	15/12/2021 (H5N1)
Sweden	-	-	H5	20/12/2021 (H5N1)	H5	29/09/2021* 29/09/2021 (H5N4) 29/09/2021 (H5N5) 14/12/2021 (H5N8) 20/12/2021 (H5N1)
Switzerland	-	-	H5	25/11/2021 (H5N1)	H5	08/09/2021 (H5N4)
Taiwan	-	-	H5	06/09/2021 (H5N2) 20/10/2021 (H5N5)	H5	13/09/2021 (H5N2)
Togo	-	-	H5	18/11/2021 (H5N1)	-	-
Ukraine	-	-	-	-	H5	14/12/2021*
United Kingdom	-	-	H5	13/09/2021 (H5N8) 20/12/2021 (H5N1)	H5	13/09/2021 (H5N8) 01/10/2021 (H5N3) 01/10/2021 (H5N5)

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)
						20/12/2021 (H5N1)
Vietnam	-	-	H5	05/07/2021 (H5N1) 20/09/2021 (H5N6) 20/09/2021 (H5N8)	-	-

Sources: WHO, OIE, NHC and other official websites

* without further subtype information