

Avian Influenza Report

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Summary

- 1. There were no new human cases of avian influenza A(H5N1) reported by the World Health Organization (WHO).#
- 2. From 2010 to 2014, 32 to 62 confirmed human cases of avian influenza A(H5N1) were reported to WHO annually (according to onset date). In 2015 (as of January 17, 2015), there were no new cases so far[^].
- 3. During this reporting period, twenty-four confirmed human case of avian influenza A(H7N9) were reported by the National Health and Family Planning Commission (NHFPC), the Health and Family Planning Commission of Guangdong Province and other Mainland health authorities. The cases were from Guangdong (7), Fujian (5), Jiangsu (4), Zhejiang (4), Xinjiang Uyghur Autonomous Region (1), Shandong (1), Jiangxi (1) and Shanghai (1). Since March 2013 (as of January 19, 2015), there were a total of 500 cases reported.

[#] Since November 21, 2012, WHO only publishes information on human cases with avian influenza A(H5N1) infection on a monthly basis in "<u>Influenza at human - animal interface: Monthly Risk Assessment Summary</u>". Cases of human infection with H5N1 will only be reported in Disease Outbreak News for events that are unusual or associated with potential increased risks

[^] According to date of disease onset

This week's highlights

(as of January 19, 2015) (Sources: WHO, NHFPC, Mainland health authorities, Centre for Health Protection (CHP) and the World Organisation for Animal Health (OIE))

Table 1. Hong Kong: Confirmed human cases of avian influenza A(H5N1) / avian influenza A(H7N9)

	No. of H5N1 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)

	Place of occurrence	No. of cases (No. of deaths)	Details
In this reporting period	-	0(0)	-

For the cumulative no. of human cases by place, please refer to WHO/WPRO website.

Table 3. Outside Hong Kong: Confirmed cases of human infection with avian influenza A(H7N9)

	Place of occurrence	No. of cases (No. of deaths)	Province / Region / Municipality	City / District / Area	Age (years)	Sex	Condition at time of reporting	Date of report
			Guangdong	Shenzhen	57	F	critical	13/1/2015
			Guangdong	Shenzhen	41	M	stable	13/1/2015
			Guangdong	Dongguan	52	F	critical	14/1/2015
			Guangdong	Dongguan	37	M	serious	14/1/2015
			Fujian	-	52	F	critical	14/1/2015
			Fujian	-	65	M	critical	14/1/2015
			Jiangsu	-	73	F	critical	14/1/2015
			Fujian	-	78	M	critical	14/1/2015
			Xinjiang	-	83	M	fatal	14/1/2015
			Zhejiang	-	56	M	critical	14/1/2015
			Zhejiang	-	75	M	fatal	14/1/2015
New	China	24(3)	Zhejiang	-	20	F	critical	14/1/2015
cases	Cillia	24(3)	Zhejiang	-	33	F	critical	14/1/2015
			Fujian	-	52	F	critical	14/1/2015
			Fujian	-	69	M	critical	14/1/2015
			Jiangsu	-	78	M	fatal	14/1/2015
			Jiangsu	-	37	F	critical	14/1/2015
			Jiangsu	-	54	F	critical	14/1/2015
			Shandong	-	60	M	-	17/1/2015
			Jiangxi	-	34	M	critical	17/1/2015
			Shanghai	-	69	M	-	18/1/2015
			Guangdong	Shenzhen	66	M	critical	18/1/2015
			Guangdong	Shanwei	1	F	recovered	18/1/2015
			Guangdong	Heyuan	3	F	recovered	19/1/2015

 $\it Table~4.~~Cumulative~number~of~confirmed~cases~of~human~infection~with~avian~influenza~A(H7N9)~since~2013$

Confirmed H7N9 human cases have been reported in the following countries / areas		Cumulative no. of cases (500 cases in total) (as of January 19, 2015)
	Zhejiang Province	145
	Guangdong Province	124
	Jiangsu Province	63
	Shanghai Municipality	43
	Fujian Province	28
	Hunan Province	24
	Anhui Province	17
Mainland	Xinjiang Uygur Autonomous Region	9
China	Jiangxi Province	9
	Shandong Province ⁺	6 (⁺ 2 cases imported from Jiangsu Province)
	Beijing Municipality	5
	Henan Province	4
	Guangxi Province [®]	3 ([®] 1 case imported from Guangdong Province)
	Jilin Province	2
	Hebei Province	1
	Guizhou Province [‡]	1 (*imported from Zhejiang Province)
Hong Kong [*]		11 (*all cases imported from Guangdong Province)
Malaysia ^{&}		1 (*imported from Guangdong Province)
Taiwan*		4 (*3 cases imported from Jiangsu Province and 1 case had travel history to Beijing and Jiangsu Province)

Table 5. Outside Hong Kong: Confirmed human cases of avian influenza A infections other than avian influenza A(H5N1 / H7N9) reported in the past 6 months

	Place of occurrence	No. of cases (No. of deaths)	Details
In this reporting period	-	0(0)	
Previously reported cases (in the past 6 months)	China	1(0)	Avian influenza A(H5N6): Guangdong Province: A 58-year-old man, reported on December 23, 2014 ⁱ

Table 6. Hong Kong: Confirmed reports of avian influenza A(H5N1) or avian influenza A(H7N9) in poultry / wild birds since 2014

	No. of reports of H5N1 in poultry / wild birds	No. of reports of H7N9 in poultry / wild birds	Details
In this reporting period	0	0	-
Cumulative since 2014	0	2#	-

^{*} The Government confirmed on January 27, 2014 that a number of samples from a batch of live chickens imported from a registered poultry farm in Shunde District of Foshan City in Guangdong were tested positive for H7N9 virus.

The Government found on December 30, 2014 a number of samples from a consignment of live chickens from a registered farm in Huicheng District of Huizhou in Guangdong tested positive for H7N9 virus.

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ⁱ CHP notified by the Health and Family Planning Commission of Guangdong Province of a confirmed human case of avian influenza A(H5N6) in Guangdong.

Table 7. Outside Hong Kong: Confirmed avian influenza A(H5) or A(H7N9) in poultry / wild birds reported in this week

	Na af	Na ar	No of	Na ar	No of	
Places of	No. of report	No. of report	No. of report	No. of report	No. of report	
	_	_	_	ı -	_	Details
occurrence						
Taiwan, Nigeria, China, Japan, Israel	s of H5	s of H5N1	s of H5N2	s of H5N3	s of H5N8	Taiwan: Samples from poultry in Chiayi County, Pingtung County, Yunlin County, Changhua County, Taiyuan County and Kaohsiung City in Taiwan were tested positive for highly pathogenic avian influenza A(H5N2). (OIE, January 12, January 13, January 16 and January 19, 2015) Taiwan: Samples from poultry in Chiayi County, Pingtung County, Yunlin County and Tainan City in Taiwan were tested positive for highly pathogenic avian influenza A(H5N8). (OIE, January 13, January 14 and January 16, 2015) Taiwan: Samples from poultry in Pingtung County and Kaohsiung City in Taiwan were tested positive for highly pathogenic avian influenza A(H5N3). (OIE, January 16 and January 19, 2015) Nigeria: Samples from poultry in farms in Rivers State, Delta State and Kano City, and samples from birds in live bird markets in Ogun State and Lagos City in Nigeria were tested positive for highly pathogenic avian influenza A(H5). (OIE, January 16 (2 reports) and January 19, 2015) China: Samples from birds in Henan Province in China were tested positive for highly pathogenic avian influenza A(H5N1). (OIE, January 16, 2015) Japan: Samples from poultry in Chayama Prafecture in January in Japan were
						for highly pathogenic avian influenza A(H5N1). (<i>OIE</i> , January 16, 2015)

Places of occurrence	No. of report s of H5	No. of report s of H5N1	No. of report s of H5N2	No. of report s of H5N3	No. of report s of H5N8	Details
						Israel: Samples from poultry in Hazafon Region in Israel were tested positive for highly pathogenic avian influenza A(H5N1). (OIE, January 18, 2015)

For cumulative reports of avian influenza A(H5N1) or A(H7N9) in poultry / wild birds, please refer to the <u>OIE</u> website.

Table 8. Confirmed human cases of avian influenza A(H5N1) reported to WHO since 2003 (by onset date) $^{\$}$

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Overall
Cases	4	46	98	115	88	44	73	48	62	32	39	45	694
Deaths	4	32	43	79	59	33	32	24	34	20	25	17	402
Case Fatalit y Rate	100%	69.6%	43.9%	68.7%	67.0%	75.0%	43.8%	50.0%	54.8%	62.5%	64.1%	37.8%	57.9%

[§] Further breakdown by countries is available at WHO website

Countries / areas with documented avian influenza A H5N1, H7N9 or other highly pathogenic avian influenza cases in the recent 6 months (including infections in birds/humans and relevant environmental samples) (Sources: WHO, OIE, NHFPC and official websites; Blue color: Avian influenza A(H7N9) affected area (may also include other non-H5N1 highly pathogenic avian influenza A); Red color: Avian influenza A(H7N9) and avian influenza A(H5N1) affected area (may also include other non-H5N1 highly pathogenic avian influenza A)) * Most recent occurrence in that country / area. (as of January 19, 2015)

Italics: Not listed as an affected area because the case was imported.

Country/ Area	Date of last report	Human cases	Poultry cases/ environmental samples	Wild bird cases
Canada	08/01/2015	N	Y* ⁱⁱ	N
Egypt	06/01/2015	Y*iii	Endemic	N
Germany	09/01/2015	N	Y ^{iv}	Y**
India	18/12/2014	N	Y* ^{vi}	N
Indonesia	27/06/2014	Y* ^{vii}	Endemic	N
Israel	18/01/2015	N	Y ^{viii}	N
Italy	16/12/2014	N	Y*ix	N
Japan	16/01/2015	N	Y*x	Y ^{xi}
Netherlands	03/12/2014	N	Y*xii	N
Nigeria	16/01/2015	N	Y*xiii	N
Mainland China				
Anhui	24/10/2014	N	$Y^{*^{xiv}}$	N
Beijing	18/10/2014	Y*xv	N	N
Chongqing	24/10/2014	N	$Y^{*^{xvi}}$	N
Fujian	14/01/2015	Y*xvii	Y ^{xviii}	N
Guangdong	19/01/2015	Y^*^{xix}	Y ^{xx, xxi}	N
Guangxi Zhuang Autonomous Region	24/10/2014	N	Y*xxii,xxiii,xxiv	N
Guizhou	24/10/2014	N	Y*xxv,xxvi	N
Heilongjiang	24/10/2014	N	Y* xxvii,xxviii,xxix	N
Hebei	24/10/2014	N	Y^{*xxx}	N
Henan	16/01/2015	N	$\mathbf{Y}^{\mathbf{x}\mathbf{x}\mathbf{x}\mathbf{i}}$	Y*xxxii
Hubei	24/10/2014	N	Y*xxxiii,xxxiv	N
Hunan	24/10/2014	N	Y*xxxv,xxxvi,xxxvii	N
Jiangsu	14/01/2015	Y*xxxviii	Y ^{xxxix}	N
Jiangxi	17/01/2015	Y*xl	Y ^{xli}	N
Liaoning	24/10/2014	N	$Y^{*^{ ext{xlii}}}$	N
Ningxia Hui Autonomous Region		N	Y* ^{xliii}	N
Qinghai		N	$Y^{*^{ ext{xliv}}}$	N
Shandong (not an affected area)	17/01/2015	Y^{*xlv}	N	N
Shanghai	18/01/2015	Y*xlvi	N	N

on 8 January 2015. OIE reported that poultry samples in Canada were tested positive for highly pathogenic avian influenza A(HSN2).
On 1 December 2014, Differ ported that poultry samples in Canada were tested positive for a poultry farm in Genavia.
On 18 December 2014, OIE reported that poultry specimens in Indiana. A(HSN) is a reported of a poultry farm in Genavia influenza A(HSN3).
On 18 December 2014, OIE reported that poultry specimens in Indiana. A(HSN) in Indiana.
On 18 January 2014. OIE reported that poultry specimens in Indiana. A(HSN) in Indiana.
On 18 January 2014. OIE reported that poultry specimens in Indiana. A(HSN) in Indiana.
On 18 January 2014. OIE reported that poultry samples in head were tested positive for highly pathogenic avian influenza A(HSN1).
On 16 December 2014, specimens from poultry in India year tested positive for highly pathogenic avian influenza A(HSN3).
On 16 December 2014, specimens from poultry in India year tested positive for highly pathogenic avian influenza A(HSN3).
On 18 December 2014, OIE reported that poultry specimens in New Price and Active Active Price Price 2014. OIE reported that poultry specimens in New Price 2014. OIE reported that poultry specimens in New Price 2014. OIE reported that poultry specimens in New Price 2014. OIE reported that poultry specimens in New Price 2014. OIE reported that poultry specimens in New Price 2014. OIE reported that poultry samples in Chonguing municipality were tested positive for highly pathogenic avian influenza A(HSN6).
On 18 January 2015. OIE reported that poultry samples in Fujian Province vere tested positive for highly pathogenic avian influenza A(HSN6).
On 19 January 2015. OIE reported that poultry samples in Fujian Province vere tested positive for highly pathogenic avian influenza A(HSN6).
On 19 January 2015. OIE reported that poultry samples in Fujian Province vere tested positive for highly pathogenic avian influenza A(HSN6).
On 19 January 2015. OIE reported that poultry samples in Guanga Surguina administrative for hi

Country/ Area	Date of last report	Human cases	Poultry cases/	Wild bird cases
			environmental samples	
Tibet Autonomous Region	24/10/2014	N	Y*xlvii,xlviii,xlix	N
Xinjiang Uyghur Autonomous Region	14/01/2015	Y*1	N	N
Yunnan	24/10/2014	N	Y* ^{li,lii}	N
Zhejiang	14/01/2015	Y*liii	Y^{liv}	N
Hong Kong (not an affected area)	02/01/2015	Y^{lv}	$Y^{*^{lvi}}$	N
Republic of Korea	25/09/2014	N	Y* ^{lvii}	N
Russia	25/12/2014	N	$\mathbf{Y}^{ ext{lviii}}$	Y*lix
Taiwan	16/01/2015	N	Y*lx	N
United Kingdom	17/11/2014	N	Y* ^{lxi}	N
United States	07/01/2015	N	Y* ^{lxii}	Y ^{lxiii}
Vietnam	22/12/2014	N	$Y^{*^{\mathrm{lxiv}}}$	N

shall On 24 October 2014, OIE reported that poultry samples in Tibet Autonomous Region were tested positive for highly pathogenic avian influenza A(H5N1).

shall On 24 October 2014, OIE reported that poultry samples in Tibet Autonomous Region were tested positive for highly pathogenic avian influenza A(H5N2).

shall On 24 October 2014, OIE reported that poultry samples in Tibet Autonomous Region were tested positive for highly pathogenic avian influenza A(H5N6).

10 n.14 January 2015, CHP revealed notification from NHFPC regarding additional human cases of avian influenza A(H5N9) in Xinjiang Uygur Autonomous Region.

10 n.24 October 2014, OIE reported that poultry samples in Yunnan Province were tested positive for highly pathogenic avian influenza A(H5N6).

10 n.24 October 2014, OIE reported that poultry samples in Yunnan Province were tested positive for highly pathogenic avian influenza A(H5N6).

10 n.24 October 2014, OIE reported that poultry samples in Yunnan Province were tested positive for highly pathogenic avian influenza A(H5N6).

10 n.24 October 2014, OIE reported that poultry samples in Yunnan Province were tested positive for highly pathogenic avian influenza A(H5N6).

10 n.24 October 2014, OIE reported that poultry samples in Theiraping Province were tested positive for highly pathogenic avian influenza A(H5N6).

10 n.24 October 2014, OIE reported that samples in Theiraping Province were tested positive for highly pathogenic avian influenza A(H5N6).

10 n.25 Expenmber 2014, Village brids in Russia tested positive for highly pathogenic avian influenza A(H5N8) in the Republic of Korea.

10 n.25 Expenmber 2014, Village brids in Russia tested positive for highly pathogenic avian influenza A(H5N8).

10 n. Is January 2015, OIE reported that a shirly pathogenic avian influenza A(H5N8) was reported in poultry farm in the Republic of Korea.

10 n. In November 2014, OIE reported that a shirly pathogenic avian influenza A(H5N8) was reported in poultry samples in the United Kingdom tested positive for highly

 ${\it Table~10.} \quad \textbf{Confirmed human cases of avian influenza~A(H5N1)~reported~to~WHO~since~} \\ \textbf{2003}$

Country	Cumulative no. of cases (December 2003 to January 2015)	No. of recent cases (October 2014 to January 2015)
Azerbaijan	8	0
Bangladesh	7	0
Cambodia	56	0
Canada	1	0
China	47	0
Djibouti	1	0
Egypt	203	27
Indonesia	197	0
Iraq	3	0
Laos	2	0
Myanmar	1	0
Nigeria	1	0
Pakistan	3	0
Thailand	25	0
Turkey	12	0
Vietnam	127	0
Overall	694	27

Table 11. Details of the recent confirmed human cases of avian influenza A(H5N1) reported to WHO (October 2014 to January 2015) (Sources: WHO)

Date of report by WHO	Country	Province / Region	District / City	Sex	Age	Outcome at the time of reporting
2/10/2014	Egypt	Giza	-	F	2.5	-
4/12/2014	Egypt	Menia	-	M	3	-
4/12/2014	Egypt	Assiut	-	F	19	Dead
4/12/2014	Egypt	Menia	-	F	30	Dead
4/12/2014	Egypt	Menia	-	F	2	-
4/12/2014	Egypt	Menia	-	M	43	Dead
4/12/2014	Egypt	Menia	-	F	29	Dead
4/12/2014	Egypt	Beni Suef	-	F	35	Dead
4/12/2014	Egypt	Menia	-	F	24	-
6/1/2015	Egypt	Menia	-	M	26	Dead
6/1/2015	Egypt	Sohag	-	F	33	Dead
6/1/2015	Egypt	Sohag	-	F	2	-
6/1/2015	Egypt	Sohag	-	F	1	_
6/1/2015	Egypt	Sohag	-	M	3	_
6/1/2015	Egypt	Assiut	-	F	20	Dead
6/1/2015	Egypt	Menia	-	F	3	_
6/1/2015	Egypt	Sohag	-	F	42	_
6/1/2015	Egypt	Sohag	-	M	42	_
6/1/2015	Egypt	Aswan	-	M	5	Dead
6/1/2015	Egypt	Menoufiya	-	F	30	_
6/1/2015	Egypt	Menia	-	F	25	_
6/1/2015	Egypt	Cairo	-	M	42	_
6/1/2015	Egypt	Assiut	-	M	51	
6/1/2015	Egypt	Giza	-	M	3	_
6/1/2015	Egypt	Giza	-	F	6	_
6/1/2015	Egypt	Menoufiya	-	M	45	_
6/1/2015	Egypt	Sharkia	-	F	4	

Avian Influenza Report is a weekly report produced by the Respiratory Disease Office, Centre for Health Protection of the Department of Health. This report highlights global avian influenza activity in humans and birds.