

Avian Influenza Report



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.

VOLUME 12, NUMBER 03

Reporting period: January 10, 2016 – January 16, 2016 (Week 03)

(Published on January 19, 2016)

Summary

1. Since the previous issue of Avian Influenza Report (AIR), there were two new human cases of avian influenza A(H7N9) in Guangdong Province reported by the Health and Family Planning Commission of Guangdong Province. Since March 2013 (as of January 18, 2016), there were a total of 700 cases reported globally. Since October 2015 (as of January 18, 2016), 23 human cases of avian influenza A(H7N9) have been recorded in Mainland China.
2. Since the previous issue of AIR, there was one new human case of avian influenza A(H5N6) in Shenzhen reported by the National Health and Family Planning Commission (NHFPC). Since the first case reported in May 2014 (as of January 18, 2016), there were a total of 9 cases reported globally and all occurred in Mainland China.
3. There were no new human cases of avian influenza A(H5N1) reported by the World Health Organization (WHO)[#]. From 2011 to 2015, 32 to 143 confirmed human cases of avian influenza A(H5N1) were reported to WHO annually (according to onset date).^{*} In 2016 (as of January 16), no cases were reported by WHO so far. In addition, there was one new human case of avian influenza A(H5N1) in Mainland China reported by the NHFPC.

[#] 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.

^{*} According to the latest [report](#) published in December, 2015

This week's highlights

(Sources: WHO, NHFPC, Mainland health authorities, Centre for Health Protection (CHP) and 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 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
New cases	Mainland China	2(0)	Guangdong	Jieyang	34	M	stable	14/1/2016
				Zhongshan	34	M	stable	14/1/2016

Table 3. Cumulative numbers of confirmed cases of human infection with avian influenza A(H7N9) since 2013 and since October 2015 respectively

Confirmed H7N9 human cases have been reported in the following countries / areas		Cumulative no. of cases since 2013 (700 cases in total) (as of January 18, 2016)	Cumulative no. of cases since October 2015 (23 cases in total) (as of January 18, 2016)
Mainland China	Zhejiang Province	197	13
	Guangdong Province	186	5
	Jiangsu Province	80	2
	Fujian Province	63	-
	Shanghai Municipality	50	2
	Anhui Province	30	-
	Hunan Province	26	-
	Jiangxi Province	12	1
	Xinjiang Uygur Autonomous Region	10	-
	Shandong Province	7	-
	Beijing Municipality	6	-
	Henan Province	4	-
	Guangxi Province	3	-
	Jilin Province	2	-
	Guizhou Province	2	-
	Hebei Province	1	-
	Hubei Province	1	-
Canada		2*	-
Hong Kong		13*	-
Malaysia		1*	-
Taiwan		4*	-

* All cases imported from Mainland China

Table 4. Outside Hong Kong: Confirmed cases of human infection with avian influenza A(H5N6)

	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
New cases	Mainland China	1(0)	Guangdong	Shenzhen	31	F	Critical	18/1/2016

Table 5. Cumulative number of confirmed cases of human infection with avian influenza A(H5N6) since 2014 and since December 2015 respectively

Confirmed H5N6 human cases have been reported in the following countries / areas		Cumulative no. of cases since 2014 (9 cases in total) (as of January 18, 2016)	Cumulative no. of cases since December 2015 (4 cases in total) (as of January 18, 2016)
Mainland China	Guangdong	5	4
	Yunan	2	-
	Sichuan	1	-
	Jiangxi	1	1*

* imported case from Guangdong

Table 6. Outside Hong Kong: Confirmed human cases of avian influenza A(H5N1)

	Place of occurrence	No. of cases (No. of deaths)	Details
New Cases	Mainland China	1(0)	Mainland China: A new human case of avian influenza A(H5N1) affecting a male aged 42 in Sichuan Province was reported by NHFPC. He was hospitalized and in critical condition. (NHFPC, January 14, 2016)

For the cumulative no. of human cases by place, please refer to [WHO/WPRO](http://www.who.int/wpro) website.

Table 7. Confirmed human cases of avian influenza A(H5N1) reported to WHO / NHFPC since 2003 (by onset date) §

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Overall
Cases	4	46	98	115	88	44	73	48	62	32	39	52	144	845
Deaths	4	32	43	79	59	33	32	24	34	20	25	22	42	449
Case Fatality Rate	100%	69.6%	43.9%	68.7%	67.0%	75.0%	43.8%	50.0%	54.8%	62.5%	64.1%	42.3%	29.2%	53.1%

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

Table 8. Confirmed human cases of avian influenza A(H5N1) reported to WHO / NHFPC since 2003 (by date of reporting)

Country	Cumulative no. of cases (December 2003 to January 2016)	No. of recent cases[^] (October 2015 to January 2016)
Azerbaijan	8	0
Bangladesh	7	0
Cambodia	56	0
Canada	1	0
Mainland China	53	1
Djibouti	1	0
Egypt	346	0
Indonesia	199	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	845	1

[^] Details of recent cases (October 2015 to January 2016) are listed in *Table 9*.

Table 9. Details of the recent confirmed human cases of avian influenza A(H5N1) reported to WHO / NHFPC (October 2015 to January 2016) (Sources: WHO, NHFPC)

Date of report	Country	Province / Region	District / City	Sex	Age	Outcome at the time of reporting
14/1/2016	Mainland China	Sichuan	Chengdu	M	42	Critical

Table 10. Outside Hong Kong: Confirmed human cases of avian influenza A infections other than avian influenza A(H5N1 / H5N6 / H7N9) reported in the past 6 months

	Place of occurrence	No. of cases (No. of deaths)	Details
In this reporting period	-		
Previously reported cases (in the past 6 months)	Mainland China	4(0)	Avian influenza A(H9N2): ▫ Anhui Province: A 4-year-old girl reported on December 14, 2015ⁱ ▫ Hunan Province: A two-year-old boy, a fifteen-year-old girl and a one-year-old girl reported on December 14, 2015ⁱⁱ
	Bangladesh	1(0)	Avian influenza A(H9N2): ▫ Bangladesh: A 3.5-year-old girl reported on September 4, 2015ⁱⁱⁱ

ⁱ The WHO reported one confirmed human case of avian influenza A(H9N2) in Anhui Province of Mainland China in the Monthly Risk Assessment Summary in December.

ⁱⁱ The WHO reported three confirmed human cases of avian influenza A(H9N2) in Hunan Province of Mainland China in the Monthly Risk Assessment Summary in December.

ⁱⁱⁱ The WHO reported one confirmed human case of avian influenza A(H9N2) in Bangladesh in the Monthly Risk Assessment Summary in September.

Table 11. Hong Kong: Confirmed reports of avian influenza A(H5) or avian influenza A(H7N9) in poultry / wild birds since 2014

	No. of reports of H5 in poultry / wild birds	No. of reports of H7N9 in poultry / wild birds	Details
In this reporting period	0	0	-
Previously reported cases since 2014	4*	2 [#]	-

* The Government confirmed that the carcass of a peregrine falcon found at a construction site in Hung Shui Kiu, Yuen Long on April 9, 2015 was tested positive for H5N6 virus.

The Government confirmed that the carcass of an oriental magpie robin found in Sai Kung on April 29, 2015 was tested positive for H5N6 virus.

The Government confirmed that the carcass of an oriental magpie robin found in Kwai Chung on November 17, 2015 was tested positive for H5N6 virus.

The Government confirmed that the carcass of an great egret found in Diamond Hill, Wong Tai Sin on December 31, 2015 was tested positive for H5N6 virus.

[#] 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.

Table 12. Outside Hong Kong: Confirmed avian influenza A(H5), A(H7N9) or other highly pathogenic avian influenza in poultry / wild birds reported in this week

Places of occurrence	No. of reports of H5N1	No. of reports of H5N2	No. of reports of H5N6	No. of reports of H7N8	Details
France, Nigeria, United Kingdom, Vietnam, Taiwan, United States of America, Mainland China	4	3	3	1	France: Samples from poultry in Landes Province and Pyrénées-Atlantiques Province were tested positive for highly pathogenic avian influenza A (H5N2). (<i>OIE</i>, January 11 and January 12, 2016) France: Samples from poultry in Haute-Garonne Province were tested positive for highly pathogenic avian influenza A (H5N1). (<i>OIE</i>, January 12, 2016) Nigeria: Samples from poultry in Kano City, Federal Capital Territory, Plateau State and Bayelsa State were tested positive for highly pathogenic avian influenza A(H5N1). (<i>OIE</i>, January 13, 2016 (2 reports)) United Kingdom: Samples from poultry in Scotland were tested positive for low pathogenic avian influenza A (H5N1). (<i>OIE</i>, January 14, 2016) Vietnam: Samples from poultry in Tuyên Quang Province, Kon Tum Province and Lạng Sơn Province were tested positive for highly pathogenic avian influenza A (H5N6). (<i>OIE</i>, January 14 and January 15, 2016) Taiwan: Samples from birds and poultry in Taipei City, Kaohsiung City, Chiayi County, Yunlin County and Changhua County were tested positive for highly pathogenic avian influenza A (H5N2). (<i>OIE</i>, January 15, 2016) United States of America: Samples from poultry in Indiana State were tested positive for highly pathogenic avian influenza A (H7N8). (<i>OIE</i>, January 15, 2016) Mainland China: Samples from poultry in Hunan Province were tested positive for highly pathogenic avian influenza A (H5N6). (<i>OIE</i>, January 18, 2016)

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

Table 13. Countries / areas with documented avian influenza A H5, H7N9 or other highly pathogenic avian influenza cases in the recent 6 months (including infections in humans/birds and relevant environmental samples) (as of January 18, 2016)

Country/ Area	Human cases		Poultry cases / environmental samples		Wild bird cases / others	
	Subtype of virus	Date of last report	Subtype of virus	Date of last report (Subtype in this report)	Subtype of virus	Date of last report (Subtype in this report)
Cambodia	-	-	H5	16/11/2015 (H5N1)	-	-
Cote D'Ivoire	-	-	H5	12/11/2015 (H5N1)	-	-
Egypt	H5N1	17/07/2015	Endemic	Endemic	-	-
France	-	-	H5	12/01/2016 (H5N1) 12/01/2016 (H5N2)	-	-
Germany	-	-	H7N7	27/07/2015 (H7N7)	-	-
Ghana	-	-	H5	25/12/2015 (H5N1)	-	-
Hong Kong	-	-	-	-	H5	05/01/2015 (H5N6)
Indonesia	-	-	Endemic	Endemic	-	-
Laos	-	-	H5	08/10/2015 (H5N6)	-	-
Mainland China						
Guangdong	H7N9 H5N6	14/01/2016 18/01/2016	H5	14/08/2015 (H5N6)	-	-
Hunan	-	-	H5	18/01/2016 (H5N6)	-	-
Inner Mongolia	-	-	-	-	H5	22/07/2015 (H5N1)
Jiangsu	H7N9	12/01/2016	H5	14/08/2015 (H5N2)	-	-
Jiangxi	H7N9 H5N6	05/01/2016 11/01/2016^	-	-	-	-
Qinghai	-	-	-	-	H5	17/07/2015 (H5N1)
Shanghai	H7N9	09/01/2016	-	-	-	-
Sichuan	H5N1	14/01/2016	-	-	-	-
Tibet Autonomous Region	-	-	-	-	H5	22/07/2015 (H5N1)
Yunnan	H5N6	11/07/2015	-	-	-	-
Zhejiang	H7N9	12/01/2016	-	-	-	-
Nigeria	-	-	H5	13/01/2016 (H5N1)	-	-
Palestinian Autonomous Territories	-	-	-	-	H5	15/10/2015*
Republic of Korea	-	-	H5	04/12/2015 (H5N8)	-	-
Russia	-	-	-	-	H5	21/08/2015 (H5N1)
Taiwan	-	-	H5	15/01/2016 (H5N2) 04/01/2016 (H5N8)	-	-
United Kingdom	-	-	H7N7	13/07/2015 (H7N7)	-	-
United States	-	-	H7N8	15/01/2016 (H7N8)	-	-
Vietnam	-	-	H5	15/01/2016 (H5N6)		

Sources: WHO, OIE, NHFPC and other official websites

^ imported case from Guangdong

*without further subtype information