

Summary

1. There were no new human cases of avian influenza A(H5N1) reported by the World Health Organization (WHO).[#]
2. From 2008 to 2013, 32 to 73 confirmed human cases of avian influenza A(H5N1) were reported to WHO annually. In 2014 (as of August 2), 18 cases were reported by WHO[^].
3. Since the previous report, there were no new human cases of avian influenza A(H7N9). Since March 2013 (as of August 2, 2014), there were a total of 451 cases reported.

[#] Since November 21, 2012, WHO only publishes information on human cases with avian influenza A(H5N1) infection on a monthly basis in “[Influenza at human - animal interface: Monthly Risk Assessment Summary](#)”. 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 August 2, 2014) (Sources: WHO, NHFPC, 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 / Municipality	City / District / Area	Age (years)	Sex	Condition at time of reporting	Date of report
New cases	-	0(0)	-	-	-	-	-	-

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 (451 cases in total) (as of August 4, 2014)
China	Zhejiang Province	139
	Guangdong Province	109
	Jiangsu Province	56
	Shanghai Municipality	41
	Hunan Province	24
	Fujian Province	22
	Anhui Province	17
	Hong Kong [%]	10 ([%] all cases imported from Guangdong Province)
	Jiangxi Province	8
	Shandong Province ⁺	5 (⁺ 1 case imported from Jiangsu Province)
	Henan Province	4
	Beijing Municipality	4
	Taiwan [*]	4 ([*] 3 cases imported from Jiangsu Province and 1 case had travel history to Beijing and Jiangsu Province)
	Guangxi Province [@]	3 ([@] 1 case imported from Guangdong Province)
	Jilin Province	2
	Hebei Province	1
	Guizhou Province [#]	1 ([#] imported from Zhejiang Province)
Malaysia ^{&}		1 (^{&} imported from Guangdong 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	-	-	-
Previously reported cases (in the past 6 months)	China	1(1)	Avian influenza A(H5N6): ▫ Sichuan Province: A 49-year-old man, reported on 6 May 2014. ⁱ
		1(1)	Avian influenza A(H10N8): ▫ Jiangxi Province: A 75-year-old man, reported on 13 February 2014. ⁱⁱ

Table 6. Hong Kong: Confirmed reports of avian influenza A(H5N1) or avian influenza A(H7N9) in poultry / wild birds since 2013

	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 2013	1 ⁰	1 [#]	-

⁰ For further information, please visit the website of the [Agriculture, Fisheries and Conservation Department](#)

[#] [Live poultry imported from Mainland tested positive for H7 avian influenza virus](#)

ⁱ [Detection of avian influenza A\(H5N6\) virus from a patient in Sichuan closely monitored by DH](#)

ⁱⁱ [CHP notified by NHFPC of fatal human case of avian influenza A\(H10N8\) in Jiangxi](#)

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

Place of occurrence	No. of reports of H5	No. of reports of H7N9	Details
-	-	-	-

For cumulative reports of avian influenza A(H5N1) or A(H7N9) in poultry / wild birds, please refer to the [OIE](#) 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	18	667
Deaths	4	32	43	79	59	33	32	24	34	20	25	8	393
Case Fatality Rate	100%	69.6%	43.9%	68.7%	67.0%	75.0%	43.8%	50.0%	54.8%	62.5%	64.1%	44.4%	58.9%

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

Table 9. 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; **Red color:** Avian influenza A(H7N9) and avian influenza A(H5N1)/(H5) affected area) * Most recent occurrence in that country / area. (as of August 4, 2014)
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
Cambodia	21/03/2014	Y	Y*	N
China				
Anhui	22/05/2014	Y* ⁱⁱⁱ	-	-
Beijing	06/02/2014	Y* ^{iv, v}	-	-
Fujian	06/05/2014	Y ^{vi}	Y* ^{vii}	-
Guangdong	17/06/2014	Y* ^{viii}	Y ^{ix}	-
Guangxi	11/02/2014	Y ^{x, xi}	Y* ^{xii}	-
Guizhou	18/02/2014	Y ^{xiii}	Y* ^{xiv}	N
Henan	09/07/2014	-	Y* ^{xv}	-
<i>Hong Kong (not an affected area)</i>	13/04/2014	Y* ^{xvi}	Y ^{xvii}	-
Hunan	07/07/2014	Y* ^{xviii, xix}	Y ^{xx}	-
Jiangsu	04/06/2014	Y* ^{xxi}	-	-
Jiangxi	01/05/2014	Y* ^{xxii}	-	-
Jilin	09/05/2014	Y* ^{xxiii}	-	-
Macau	18/03/2014	-	Y* ^{xxiv}	-
Shandong	04/06/2014	Y* ^{xxv}	Y ^{xxvi}	-
Taiwan	02/05/2014	Y ^{xxvii}	Y* ^{xxviii}	N
Yunnan	07/03/2014	N	Y* ^{xxix}	N
Zhejiang	23/06/2014	Y* ^{xxx}	Y ^{xxxi}	-
Democratic People's Republic of Korea	22/04/2014	N	Y*	N
Egypt	27/06/2014	Y*	Endemic	N
India	21/02/2014	N	Y	Y* ^{xxxii}
Indonesia	27/06/2014	Y*	Endemic	N
Japan	18/04/2014	N	Y* ^{xxxiii}	N

ⁱⁱⁱ On 22 May 2014, CHP is closely monitoring an additional human case of avian influenza A(H7N9) in Anhui Province according to the latest report of the Mainland health authority.

^{iv} On 6 February 2014, CHP was notified by NHFPC regarding a human case of avian influenza A(H7N9) in Beijing Municipality.

^v WHO reported on 9 January 2014, a new confirmed human case of avian influenza A(H5N1) in Canada. The patient had visited Beijing from 6 to 27 December 2013, before his symptom onset on 27 December 2013.

^{vi} On 29 March 2014, CHP was notified by NHFPC regarding a human case of avian influenza A(H7N9) in Fujian Province.

^{vii} On 6 May 2014, OIE reported that chicken samples tested positive at a live bird market in Fujian Province.

^{viii} On 17 June 2014, CHP is closely monitoring a human case of avian influenza A(H7N9) in Guangdong Province.

^{ix} On 6 May 2014, OIE reported that specimens from live bird markets in Guangdong Province were tested positive for avian influenza A(H7N9).

^x On 1 February 2014, a human case of avian influenza A(H5N1) was confirmed in Guangxi Province.

^{xi} On 6 February 2014, a human case of avian influenza A(H7N9) was confirmed in Guangxi Province.

^{xii} On 11 February 2014, specimens from a market in Guangxi Province were tested positive for avian influenza A(H7N9).

^{xiii} On 16 January 2014, CHP was notified by NHFPC regarding an additional human case of avian influenza A(H7N9) in Guizhou Province, which is imported from Zhejiang Province. The patient became ill when he was working in Zhejiang Province.

^{xiv} On 18 February 2014, highly pathogenic avian influenza A(H5N1) was reported on a poultry farm in Guizhou Province.

^{xv} On 9 July 2014, avian influenza A(H7N9) was detected in a market in Henan Province.

^{xvi} On 13 April 2014, CHP confirmed an imported human case of avian influenza A(H7N9) in Hong Kong.

^{xvii} In Hong Kong, a number of samples from a batch of live chicken imported from a registered poultry farm in Shunde District of Foshan City of Guangdong Province were confirmed H7 positive on 27 January 2014. (<http://www.info.gov.hk/gia/general/201401/27/P201401270847.htm>)

^{xviii} On 7 June 2014, CHP is closely monitoring an additional human case of avian influenza A(H7N9) in Hunan Province according to the latest report of the Mainland health authority.

^{xix} On 7 March 2014, WHO reported a confirmed human case of avian influenza A (H5N1) in Hunan Province.

^{xx} On 7 March 2014, specimens from markets in Hunan Province were tested positive for avian influenza A(H7N9).

^{xxi} On 4 June 2014, CHP was notified by NHFPC regarding two human cases of avian influenza A(H7N9) in Jiangsu Province.

^{xxii} On 1 May 2014, CHP is closely monitoring an additional human case of avian influenza A(H7N9) in Jiangxi Province.

^{xxiii} On 9 May 2014, CHP was notified by NHFPC regarding a human case of avian influenza A(H7N9) in Jilin Province.

^{xxiv} On 18 April 2014, Macau SAR reported that environmental samples taken from a market were tested positive for H7N9.

(<http://www.gcs.gov.mo/showNews.php?PageLang=C&DataUcn=77827&Member=0>)

^{xxv} On 4 June 2014, CHP was notified by NHFPC regarding two human cases of avian influenza A(H7N9) in Shandong Province.

^{xxvi} On 20 January 2014, specimens from a poultry farm in Shandong Province tested positive for avian influenza A(H5N2).

^{xxvii} One case of human infection with avian influenza A(H7N9) imported from Mainland China was reported in Taiwan on 25 April 2014.

^{xxviii} On 2 May 2014, highly pathogenic avian influenza A(H5N2) was detected in a poultry specimen in Taiwan.

^{xxix} On 7 March 2014, highly pathogenic avian influenza A(H5N1) in poultry was reported in Yunnan Province.

^{xxx} On 23 June 2014, CHP was notified by NHFPC regarding a human case of avian influenza A(H7N9) in Zhejiang Province.

^{xxxi} On 16 January 2014, specimens from markets in Zhejiang Province were tested positive for avian influenza A(H7N9).

^{xxxii} On 21 February 2014, two house crows were tested positive for avian influenza A(H5N1) in India.

^{xxxiii} On 18 April 2014, avian influenza A(H5N8) was reported on a poultry farm in Japan.

Laos	31/03/2014	N	Y* ^{xxxiv}	N
Libya	12/03/2014	N	Y*	N
<i>Malaysia (not an affected area)</i>	<i>12/02/2014</i>	Y* ^{xxxv}	-	-
Nepal	26/02/2014	N	Y*	N
Republic of Korea	30/04/2014	N	Y* ^{xxxvi}	N
Vietnam	20/03/2014	Y	Y*	N

^{xxxiv} On 31 March 2014, avian influenza A(H5N6) was reported in poultry in Laos.

^{xxxv} On 12 February 2014, the Ministry of Health of Malaysia reported a confirmed human case of avian influenza A(H7N9). The patient was a tourist from Guangdong Province of China.

^{xxxvi} On 30 April 2014, avian influenza A(H5N8) was reported on poultry farms in the Republic of Korea.

Table 10. Confirmed human cases of avian influenza A(H5N1) reported to WHO since 2003

Country	Cumulative no. of cases (December 2003 to August 2014)	No. of recent cases (May to August 2014)
Azerbaijan	8	0
Bangladesh	7	0
Cambodia	56	0
Canada	1	0
China	47	0
Djibouti	1	0
Egypt	176	1
Indonesia	197	2
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	667	3

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

Date of report by WHO	Country	Province / Region	District / City	Sex	Age	Outcome at the time of reporting
05/05/2014	Indonesia	Central Java	-	M	2	Fatal
27/06/2014	Indonesia	Jakarta	Jakarta	M	33	Fatal
27/06/2014	Egypt	Menia	-	M	34	-

[**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.