

Summary

1. The World Health Organization (WHO) reported on 9 January 2014, a new confirmed human case of avian influenza A(H5N1) in Canada. [^]#
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 January 11), 1 case was reported by WHO.
3. During this reporting period, 19 confirmed human cases of avian influenza A(H7N9) were reported by the National Health and Family Planning Commission (NHFPC) and the Centre for Health Protection (CHP) of the Department of Health, Hong Kong. The cases were from Fujian (1), Hong Kong (1), Guangdong (8), Jiangsu (2), Shanghai (2) and Zhejiang (5). Since March 2013 (as of January 11, 2014), there were a total of 168 cases reported.

This week's highlights

(as of January 11, 2014) (Sources: CHP, WHO, NHFPC and World Health Organization 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)	1(1)	Hong Kong: One case of human infection with avian influenza A(H7N9) was reported in Hong Kong affecting a 65-year-old man. He passed away on January 13, 2014. (<i>The Centre for Health Protection</i> , January 8, 2014 and January 13, 2014)

[^] Human infection with avian influenza A(H5N1) - update

[#] 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.

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	Canada	1(1)	Canada: One case of human infection with avian influenza A(H5N1) was confirmed in Canada. The patient was first symptomatic on 27 December 2013 and died 3 January 2014. The person visited Beijing from 6 to 27 December 2013 and returned to Canada on 27 December 2013. [^] (WHO, January 9, 2014)

[^] [Human infection with avian influenza A\(H5N1\) - update](#)

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)	Details
In this reporting period	China	18(2)	<p>Fujian: One case of human infection with avian influenza A(H7N9) was confirmed in Fujian Province affecting a 38-year-old man. He was died on January 10, 2014. (NHFP, January 10, 2014)</p> <p>Guangdong: Eight cases of human infection with avian influenza A(H7N9) were confirmed.</p> <ul style="list-style-type: none"> ● A 47-year-old male from Foshan. He was in critical condition. (NHFP, January 6, 2014) ● A 71-year-old man from Yangjiang. He was in critical condition. (NHFP, January 6, 2014) ● A 31-year-old man from Shenzhen. He was in stable condition. (NHFP, January 7, 2014) ● A 51-year-old woman from Foshan. She was in critical condition. (NHFP, January 8, 2014) ● A 42-year-old woman from Foshan. She was in stable condition. (NHFP, January 10, 2014)

	Place of occurrence	No. of cases (No. of deaths)	Details
			<ul style="list-style-type: none"> ● A 59-year-old woman from Foshan. She was in stable condition. (NHFPC, January 10, 2014) ● A 29-year-old man from Guangzhou. He was in critical condition. (NHFPC, January 11, 2014) ● A 76-year-old man from Shenzhen. He was in stable condition. (NHFPC, January 11, 2014) <p>Jiangsu: Two cases of human infection with avian influenza A(H7N9) were confirmed.</p> <ul style="list-style-type: none"> ● A 54-year-old woman from Nanjing. She was in critical condition. (NHFPC, January 8, 2014) ● A 54-year-old man from Nanjing. He was in serious condition. (NHFPC, January 10, 2014) <p>Shanghai municipality: Two cases of human infection with avian influenza A(H7N9) were confirmed.</p> <ul style="list-style-type: none"> ● A 58-year-old woman from Shanghai. She was in critical condition. (NHFPC, January 11, 2014) ● A 56-year-old man from Shanghai. He was in critical condition. (NHFPC, January 11, 2014) <p>Zhejiang: Five cases of human infection with avian influenza A(H7N9) were confirmed.</p> <ul style="list-style-type: none"> ● A 34-year-old woman from Zhejiang. She was in critical condition. (NHFPC, January 5, 2014) ● A 51-year-old woman from Zhejiang. She was in serious condition. (NHFPC, January 9, 2014) ● A 30-year-old man from Zhejiang. He was in critical condition. (NHFPC, January 10, 2014) ● A 79-year-old woman from Zhejiang. She was in critical condition. (NHFPC, January 10, 2014) ● A 75-year-old woman from Zhejiang. She died on January 9, 2014. (HFPC, January 11, 2014)

Table 4. Hong Kong: Confirmed reports of avian influenza A(H5N1) in poultry / wild birds

	No. of reports of H5N1 in poultry / wild birds	Details
In this reporting period	0	-
Cumulative since 2013	1 ⁰	-

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

Table 5. Outside Hong Kong: Confirmed avian influenza A(H5N1) in poultry / wild birds

Place of occurrence	No. of reports of H5N1 in poultry / wild birds	Details
Vietnam	1	Vietnam: Poultry in Bac Ninh Province died from avian influenza A(H5N1) infection. (<i>OIE</i> , January 10, 2014)

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

Table 6. Outside Hong Kong: Confirmed avian influenza A(H7N9) in poultry / wild birds

Place of occurrence	No. of reports of H7N9 in poultry / wild birds	Details
-	0	-

For cumulative reports of avian influenza A(H7N9) in poultry / wild birds, please select “Low path. avian influenza” on the [OIE](#) website

Table 7. 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	Overall
Cases	4	46	98	115	88	44	73	48	62	32	39	649
Deaths	4	32	43	79	59	33	32	24	34	20	25	385
Case Fatality Rate	100%	69.6%	43.9%	68.7%	67.0%	75.0%	43.8%	50.0%	54.8%	62.5%	64.1%	59.3%

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

Table 8. In the past 6 months, highly pathogenic avian influenza A infections were confirmed in the following countries/areas (Sources: WHO, OIE, NHFPC and official websites; **Blue:** Avian influenza A(H7N9) affected areas)

Country/ Area	Date of last report	Human cases	Poultry cases	Wild bird cases
Australia	25/10/2013	N	Y* ⁱ	N
Cambodia	15/11/2013	Y*	Y	N
Canada	09/01/2014	Y* ⁱⁱ	-	-
China				
Beijing	09/01/2014	- ⁱⁱⁱ	N	N
Fujian	10/01/2014	Y* ^{iv}		
Guangdong	11/01/2014	Y* ^v	-	-
Guizhou	02/01/2014	N	Y* ^{vi}	N
Hebei	21/12/2013	Y* ^{vii}	Y* ^{viii}	-
Hong Kong	08/01/2014	Y* ^{ix}	N	N
Jiangsu	10/01/2014	Y* ^x	-	-
Shanghai	11/01/2014	Y* ^{xi}	-	-
Taiwan	31/12/2013	Y* ^{xii}	N	N
Zhejiang	11/01/2014	Y* ^{xiii}	-	-
Egypt	-	N	Endemic	N
India	05/08/2013	N	Y*	N

ⁱ On 25 October 2013, highly pathogenic avian influenza A(H7N2) was reported on a poultry farm in Australia.

ⁱⁱ The World Health Organization 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.

ⁱⁱⁱ The World Health Organization 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.

^{iv} One case of human infection with avian influenza A(H7N9) in Fujian Province was reported by the National Health and Family Planning Commission on January 10, 2014.

^v Two cases of human infection with avian influenza A(H7N9) in Guangdong Province was reported by the Health and Family Planning Commission of Guangdong Province on January 11, 2014.

^{vi} On 2 January 2014, highly pathogenic avian influenza A(H5N1) was reported on a poultry farm in Guizhou Province.

^{vii} One case of human infection with avian influenza A(H7N9) in Hebei Province was reported by the National Health and Family Planning Commission on July 20, 2013.

^{viii} On 21 December 2013, highly pathogenic avian influenza A(H5N2) was reported on a poultry farm in Hebei Province.

^{ix} On 8 January 2014, an additional human case of avian influenza A(H7N9) was confirmed in Hong Kong.

^x One case of human infection with avian influenza A(H7N9) in Jiangsu Province was reported by the National Health and Family Planning Commission on January 10, 2014.

^{xi} Two cases of human infection with avian influenza A(H7N9) in Shanghai municipality were reported by the Health and Family Planning Commission of Guangdong Province on January 11, 2014.

^{xii} One case of human infection with avian influenza A(H7N9) imported from Jiangsu Province was reported in Taiwan on December 31, 2013.

^{xiii} One case of human infection with avian influenza A(H7N9) in Zhejiang Province was reported by the Health and Family Planning Commission of Guangdong Province on January 11, 2014.

Country/ Area	Date of last report	Human cases	Poultry cases	Wild bird cases
Indonesia	22/11/2013	Y*	Endemic	N
Italy	05/09/2013	N	Y* ^{xiv}	N
Mexico	31/08/2013	N	Y* ^{xv}	N
Nepal	12/11/2013	N	Y*	N
Vietnam	10/01/2014	Y	Y* ^{xvi}	N

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

Notes:

(1) On 30 December 2013, the Centre for Health Protection of the Department of Health in Hong Kong recorded a confirmed human case of influenza A(H9N2) affecting a man aged 86 years. (<http://www.info.gov.hk/gia/general/201312/30/P201312300427.htm>)

(2) On 17 December 2013, avian influenza A(H10N8) was detected in a specimen from a patient in Jiangxi Province during surveillance. (http://www.jxwst.gov.cn/wsyw/201312/t20131218_305300.htm) (Chinese version only)

^{xiv} On September 5, 2013, highly pathogenic avian influenza A(H7N7) were reported in farms in Italy.

^{xv} On August 31, 2013, highly pathogenic avian influenza A(H7N3) was reported in farms in Mexico.

^{xvi} On 10 January 2014, highly pathogenic avian influenza A(H5N1) was reported on a poultry farm in Vietnam.

Table 9. Confirmed human cases of avian influenza A(H5N1) reported to WHO since 2003

Country	Cumulative no. of cases (December 2003 to January 2014)	No. of recent cases (October 2013 to January 2014)
Azerbaijan	8	0
Bangladesh	7	0
Cambodia	47	6
Canada	1 [^]	1 [^]
China	45	0
Djibouti	1	0
Egypt	173	0
Indonesia	195	2
Iraq	3	0
Laos	2	0
Myanmar	1	0
Nigeria	1	0
Pakistan	3	0
Thailand	25	0
Turkey	12	0
Vietnam	125	0
Overall	649	9

[^] Human infection with avian influenza A(H5N1) - update

Table 10. Details of the recent confirmed human cases of avian influenza A(H5N1) reported to WHO (October 2013 to January 2014) (Sources: WHO)

Date of report by WHO	Country	Province / Region	District	Sex	Age	Outcome at the time of reporting
11/10/2013	Indonesia	West Java	Bekasi	M	28	Fatal
22/10/2013	Cambodia	Kampong Thom	Baray	F	8	Stable
31/10/2013	Cambodia	Battambang	Phnom Preuk	F	6	Stable
08/11/2013	Cambodia	Pursat	Bakane	F	2	Fatal
15/11/2013	Cambodia	Kampot	Dorng Tung	M	10	Fatal
15/11/2013	Cambodia	Kampong Speu	Samrong Tong	M	3	-
15/11/2013	Cambodia	Pailin	Salakrao	M	29	Fatal
22/11/2013	Indonesia	West Java	East Bekasi	F	31	Fatal
09/01/2014	Canada [^]	-	-	-	-	Fatal

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Avian Influenza Report is a weekly report produced by the Respiratory Disease Office of the Centre for Health Protection when the alert response level under the Government's Preparedness Plan for Influenza Pandemic in Hong Kong has been activated. This report highlights global avian influenza activity in humans and birds.