

Summary

1. There was one new confirmed human case of avian influenza A(H5N1) from Vietnam reported by the World Health Organization (WHO) on January 24, 2014. ^{^#}
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 25), 2 cases were reported by WHO.
3. During this reporting period, 42 confirmed human cases of avian influenza A(H7N9) were reported by the National Health and Family Planning Commission (NHFPC). The cases were from Beijing (1), Fujian (2), Guangdong (7), Jiangsu (2), Shanghai (3) and Zhejiang (27). Since March 2013 (as of January 25, 2014), there were a total of 242 cases reported.

This week's highlights

(as of January 25, 2014) (Sources: 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)	0(0)	-

[^] Please refer to the WHO/WPRO website for further details on the new case.

[#] 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	Vietnam	1(1)	A 52-year-old man from Binh Phuoc Province was confirmed positive for avian influenza A(H5N1). Epidemiological investigation identified that his family slaughtered and ate duck meat prior getting sick, and there were abnormal deaths among poultry in his village. He died on 18 January 2014. [^] (WHO/WPRO, January 24, 2014)

For the cumulative no. of human cases by place, please refer to [WHO/WPRO](http://www.who.int/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	42(2)	<p>Beijing: One case of human infection with avian influenza A(H7N9) was confirmed.</p> <ul style="list-style-type: none"> ● A 58-year-old man from Beijing. He was in critical condition. (NHFPC, January 24, 2014) <p>Fujian: Two cases of human infection with avian influenza A(H7N9) were confirmed.</p> <ul style="list-style-type: none"> ● A 55-year-old man from Shishi. He was in critical condition. (NHFPC, January 20, 2014) ● A 46-year-old woman from Fujian. She was in critical condition. (NHFPC, January 25, 2014) <p>Guangdong: Seven cases of human infection with avian influenza A(H7N9) were confirmed.</p> <ul style="list-style-type: none"> ● A 76-year-old man from Shenzhen. He was in critical condition. (NHFPC, January 21, 2014) ● A 39-year-old woman from Shenzhen. She was in serious condition. (NHFPC, January 21, 2014) ● A 59-year-old woman from Shenzhen. She was in critical condition.

	Place of occurrence	No. of cases (No. of deaths)	Details
			<p>(<i>NHFPC</i>, January 21, 2014)</p> <ul style="list-style-type: none"> ● A 34-year-old woman from Shenzhen. She was in critical condition. (<i>NHFPC</i>, January 23, 2014) ● A 58-year-old woman from Huizhou. She was in critical condition. (<i>NHFPC</i>, January 24, 2014) ● A 52-year-old man from Meizhou. He was in critical condition. (<i>NHFPC</i>, January 24, 2014) ● A 82-year-old man from Shenzhen. He was in critical condition. (<i>NHFPC</i>, January 25, 2014) <p>Jiangsu: Two cases of human infection with avian influenza A(H7N9) were confirmed.</p> <ul style="list-style-type: none"> ● A 71-year-old man from Nanjing. He was in critical condition. (<i>NHFPC</i>, January 21, 2014) ● A 57-year-old man from Jiangsu. He was in serious condition. (<i>NHFPC</i>, January 25, 2014) <p>Shanghai: Three cases of human infection with avian influenza A(H7N9) were confirmed.</p> <ul style="list-style-type: none"> ● A 31-year-old man from Shanghai. He died on January 18, 2014. (<i>NHFPC</i>, January 20, 2014) ● A 77-year-old man from Shanghai. He died on January 18, 2014. (<i>NHFPC</i>, January 20, 2014) ● A 61-year-old woman from Shanghai. She was still hospitalized for treatment. (<i>NHFPC</i>, January 23, 2014) <p>Zhejiang: Twenty seven cases of human infection with avian influenza A(H7N9) were confirmed.</p> <ul style="list-style-type: none"> ● A 53-year-old man from Zhejiang. He was in critical condition. (<i>NHFPC</i>, January 20, 2014) ● A 54-year-old man from Zhejiang. He was in critical condition. (<i>NHFPC</i>, January 20, 2014) ● A 61-year-old man from Zhejiang. He was in critical condition. (<i>NHFPC</i>, January 20, 2014)

	Place of occurrence	No. of cases (No. of deaths)	Details
			<ul style="list-style-type: none"> ● A 71-year-old woman from Zhejiang. She was in critical condition. (NHFPC, January 20, 2014) ● A 55-year-old man from Zhejiang. He was in critical condition. (NHFPC, January 20, 2014) ● A 63-year-old man from Zhejiang. He was in serious condition. (NHFPC, January 20, 2014) ● A 49-year-old man from Hangzhou. He was in serious condition. (NHFPC, January 21, 2014) ● A 57-year-old man from Taizhou. He was in critical condition. (NHFPC, January 21, 2014) ● A 70-year-old man from Shaoxing. He was in serious condition. (NHFPC, January 21, 2014) ● A 53-year-old man from Taizhou. He was in critical condition. (NHFPC, January 23, 2014) ● A 71-year-old man from Taizhou. He was in critical condition. (NHFPC, January 23, 2014) ● A 63-year-old woman from Taizhou. She was in critical condition. (NHFPC, January 23, 2014) ● A 59-year-old man from Ningbo. He was in serious condition. (NHFPC, January 23, 2014) ● A 71-year-old man from Wenzhou. He was in serious condition. (NHFPC, January 23, 2014) ● A 63-year-old woman from Huzhou. She was in critical condition. (NHFPC, January 23, 2014) ● A 66-year-old woman from Shaoxing. She was in critical condition. (NHFPC, January 23, 2014) ● A 71-year-old woman from Hangzhou. She was in critical condition. (NHFPC, January 23, 2014) ● A 76-year-old woman from Zhejiang. She was in critical condition. (NHFPC, January 24, 2014) ● A 44-year-old woman from Zhejiang. She was in serious condition. (NHFPC, January 24, 2014) ● A 23-year-old woman from Zhejiang. She was in serious condition.

	Place of occurrence	No. of cases (No. of deaths)	Details
			<p>(<i>NHFPC</i>, January 24, 2014)</p> <ul style="list-style-type: none"> ● A 82-year-old woman from Zhejiang. She was in critical condition. (<i>NHFPC</i>, January 24, 2014) ● A 73-year-old man from Zhejiang. He was in critical condition. (<i>NHFPC</i>, January 24, 2014) ● A 62-year-old woman from Zhejiang. She was in critical condition. (<i>NHFPC</i>, January 24, 2014) ● A 33-year-old man from Zhejiang. He was in critical condition. (<i>NHFPC</i>, January 24, 2014) ● A 49-year-old man from Zhejiang. He was in serious condition. (<i>NHFPC</i>, January 25, 2014) ● A 48-year-old woman from Zhejiang. She was in serious condition. (<i>NHFPC</i>, January 25, 2014) ● A 60-year-old woman from Zhejiang. She was in serious condition. (<i>NHFPC</i>, January 25, 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
-	-	-

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
-	-	-

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	2014	Overall
Cases	4	46	98	115	88	44	73	48	62	32	39	1	650
Deaths	4	32	43	79	59	33	32	24	34	20	25	1	386
Case Fatality Rate	100%	69.6%	43.9%	68.7%	67.0%	75.0%	43.8%	50.0%	54.8%	62.5%	64.1%	100%	59.4%

§ 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	24/01/2014	Y* ^{iii,iv}	N	N
Fujian	25/01/2014	Y* ^v	-	-
Guangdong	25/01/2014	Y* ^{vi}	Y ^{vii}	-
Guizhou	16/01/2014	Y* ^{viii}	Y ^{ix}	N
Hebei	21/12/2013	Y ^x	Y* ^{xi}	-
Hong Kong	08/01/2014	Y* ^{xii}	N	N
Hubei	13/01/2014	-	Y* ^{xiii}	-
Jiangsu	25/01/2014	Y* ^{xiv}	-	-
Shandong	20/01/2014	-	Y* ^{xv}	-
Shanghai	23/01/2014	Y* ^{xvi}	-	-

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 On 24 January 2014, the Centre for Health Protection of the Department of Health was notified by the National Health and Family Planning Commission regarding a human case of avian influenza A(H7N9) in Beijing Municipality.

^{iv} 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.

^v One case of human infection with avian influenza A(H7N9) in Fujian Province were reported by the Health and Family Planning Commission of Guangdong Province on January 25, 2014.

^{vi} One case of human infection with avian influenza A(H7N9) in Guangdong Province were reported by the Health and Family Planning Commission of Guangdong Province on January 25, 2014.

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

^{viii} On 16 January 2014, the Centre for Health Protection of the Department of Health was notified by the National Health and Family Planning Commission regarding an additional human case of avian influenza A(H7N9) in Guizhou Province. The patient became ill when he was working in Zhejiang Province.

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

^x 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.

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

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

^{xiii} On 13 January 2014, highly pathogenic avian influenza A(H5N1) was reported on a poultry farm in Hubei Province.

^{xiv} 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 25, 2014.

^{xv} On 20 January 2014, highly pathogenic avian influenza A(H5N2) was reported on a farm in Shandong Province.

^{xvi} One case of human infection with avian influenza A(H7N9) in Shanghai municipality was reported by the National Health and Family Planning Commission on January 23, 2014.

Country/ Area	Date of last report	Human cases	Poultry cases	Wild bird cases
<i>Taiwan</i>	31/12/2013	Y* ^{xvii}	N	N
Zhejiang	25/01/2014	Y* ^{xviii}	Y ^{xix}	-
Egypt	-	N	Endemic	N
India	05/08/2013	N	Y*	N
Indonesia	22/11/2013	Y*	Endemic	N
Italy	05/09/2013	N	Y* ^{xx}	N
Korea	25/01/2014	N	Y* ^{xxi}	N
Mexico	31/08/2013	N	Y* ^{xxii}	N
Nepal	12/11/2013	N	Y*	N
Vietnam	24/01/2014	Y*	Y ^{xxiii}	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)

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

^{xviii} Three cases of human infection with avian influenza A(H7N9) in Zhejiang Province were reported by the Health and Family Planning Commission of Guangdong Province on January 25, 2014.

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

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

^{xxi} On 25 January 2014, avian influenza A(H5N8) was reported on poultry farms in the Republic of Korea.

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

^{xxiii} On 16 January 2014, avian influenza A(H7) 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	126	1
Overall	650	10

[^] 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
24/01/2014	Vietnam	Binh Phuoc	Bu Dang	M	52	Fatal

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

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.