

Summary

1. There were no new human cases of avian influenza A(H5N1) reported by the World Health Organization (WHO).[#] The Centre for Health Protection (CHP) of the Department of Health received notification of a human case of avian influenza A (H5) in Hunan from the National Health and Family Planning Commission (NHFPC) (February 25, 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 March 1), 6 cases were reported by WHO[^].
3. During this reporting period, 14 confirmed human cases of avian influenza A(H7N9) were reported by NHFPC. The cases were from Guangdong (7), Hunan (3), Zhejiang (3) and Jiangsu (1). Since March 2013 (as of March 1, 2014), there were a total of 378 cases reported.
4. Since the first human case of influenza A(H10N8) in December 2013, a total of three human cases have now been reported. All three cases were reported in Jiangxi Province. The latest case was reported on February 13, 2014.

[#] 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.

* <http://www.info.gov.hk/gia/general/201402/25/P201402250198.htm>

[^] According to date of disease onset

This week's highlights

(as of March 1, 2014) (Sources: WHO, NHFPC and the 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)	-

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	China	1(0)	China: The patient from Hunan Province confirmed positive for avian influenza A (H5) is a 5-year-old girl who has recovered and has been discharged from hospital. (<i>CHP</i> , February 25, 2014) *

For the cumulative no. of human cases by place, please refer to [WHO/WPRO](#) website.

* This case has not yet been included in the WHO cumulative total of human cases of avian influenza A(H5N1). (<http://www.info.gov.hk/gia/general/201402/25/P201402250198.htm>)

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
In this reporting period	China	14(3)	Guangdong	Jiangmen	31	M	stable	23/2/2014
			Guangdong	Guangzhou	76	M	critical	24/2/2014
			Guangdong	Guangzhou	55	F	dead	24/2/2014
			Guangdong	Guangzhou	75	F	dead	24/2/2014
			Guangdong	Foshan	33	M	critical	24/2/2014
			Guangdong	Foshan	71	M	dead	25/2/2014
			Guangdong	Guangzhou	65	F	critical	26/2/2014
			Hunan		41	M	critical	27/2/2014
			Hunan		77	M	critical	27/2/2014
			Hunan		32	M	serious	1/3/2014
			Zhejiang		2	F	mild	26/2/2014
			Zhejiang		6	F	serious	28/2/2014
			Zhejiang		7	F	serious	28/2/2014
			Jiangsu		42	M	serious	27/2/2014

Table 4. Outside Hong Kong: Confirmed human cases of avian influenza A(H10N8)

	Places of occurrence	No. of cases (No. of deaths)	Details
In this reporting period	-	-	-
Previously reported cases	China	3(2)	<p>Jiangxi Province: A 75-year-old man, reported on 13 February 2014.</p> <p>Jiangxi Province: A 55-year-old woman, reported on 25 January 2014.</p> <p>Jiangxi Province: A 73-year-old woman, reported on 17 December 2013.</p>

For further information, please refer to:

- (1) <http://www.info.gov.hk/gia/general/201402/14/P201402140245.htm>
- (2) <http://www.info.gov.hk/gia/general/201401/26/P201401250806.htm>
- (3) <http://www.info.gov.hk/gia/general/201312/17/P201312170562.htm>

Table 5. Hong Kong: Confirmed reports of avian influenza A(H5N1) or avian influenza A(H7N9) in poultry / wild birds

	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](#)

[#] <http://www.info.gov.hk/gia/general/201401/27/P201401270847.htm>

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

Place of occurrence	No. of reports of H5N1	No. of reports of H7N9	Details
Vietnam, Nepal, Cambodia, Netherlands, China	6	1	<p>Vietnam: Poultry from Phu Tho, Tra Vinh, Binh Dinh, Bac Lieu, Hai Duong, Gia Lai, Soc Trang and Hung Yen Provinces were confirmed positive for avian influenza A(H5N1) infection. (<i>OIE</i>, February 25 (2 reports) and March 1, 2014)</p> <p>Nepal: Poultry from Koshi Province were confirmed positive for avian influenza A(H5N1) infection. (<i>OIE</i>, February 26, 2014)</p> <p>Cambodia: Poultry from Speu and Kandal Provinces were confirmed positive for avian influenza A(H5N1) infection. (<i>OIE</i>, February 26, 2014)</p> <p>Netherlands: Poultry from Flevoland Province were confirmed positive for low pathogenic avian influenza A(H5N1) infection. (<i>OIE</i>, February 28, 2014)</p> <p>China: Poultry specimens from markets in Hunan Province were tested positive for avian influenza A(H7N9). (<i>OIE</i>, February 28, 2014)</p>

For cumulative reports of avian influenza A(H5N1) or A(H7N9) in poultry / wild birds, please refer to 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	6	655
Deaths	4	32	43	79	59	33	32	24	34	20	25	3	388
Case Fatality Rate	100%	69.6%	43.9%	68.7%	67.0%	75.0%	43.8%	50.0%	54.8%	62.5%	64.1%	50.0%	59.2%

§ 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 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 3 March 2014)
Italics: Not listed as an affected area because the case was imported.

Country/ Area	Date of last report	Human cases	Poultry cases	Wild bird cases
Australia	25/10/2013	N	Y* ⁱ	N
Cambodia	26/02/2014	Y	Y*	N
<i>Canada (not an affected area)</i>	<i>09/01/2014</i>	<i>Y*ⁱⁱ</i>	<i>N</i>	<i>N</i>
China				
Anhui	20/02/2014	Y* ⁱⁱⁱ	-	-
Beijing	06/02/2014	Y* ^{iv, v}	-	-
Fujian	07/02/2014	Y* ^{vi}	-	-
Guangdong	03/03/2014 [@]	Y* ^{vii}	Y ^{viii}	-
Guangxi	11/02/2014	Y ^{ix, x}	Y* ^{xi}	-
Guizhou	18/02/2014	Y ^{xii}	Y* ^{xiii}	N
Hebei	21/12/2013	N	Y* ^{xiv}	N
<i>Hong Kong (not an affected area)</i>	<i>12/02/2014</i>	<i>Y*^{xv}</i>	<i>Y^{xvi}</i>	<i>-</i>
Hubei	13/01/2014	N	Y* ^{xvii}	N
Hunan	01/03/2014	Y* ^{xviii, xix}	Y ^{xx}	-
Jiangsu	27/02/2014	Y* ^{xxi}	-	-
Jilin	21/02/2014	Y* ^{xxii}	-	-
Shandong	20/01/2014	N	Y* ^{xxiii}	N
Shanghai	23/01/2014	Y* ^{xxiv}	-	-
<i>Taiwan (not an affected area)</i>	<i>31/12/2013</i>	<i>Y*^{xxv}</i>	<i>-</i>	<i>-</i>
Zhejiang	28/02/2014	Y* ^{xxvi}	Y ^{xxvii}	-
Egypt	-	N	Endemic	N
India	21/02/2014	N	Y	Y* ^{xxviii}
Indonesia	22/11/2013	Y*	Endemic	N
Italy	05/09/2013	N	Y* ^{xxix}	N
Korea	28/02/2014	N	Y* ^{xxx}	N
<i>Malaysia (not an affected area)</i>	<i>12/02/2014</i>	<i>Y*^{xxxi}</i>	<i>-</i>	<i>-</i>
Nepal	26/02/2014	N	Y*	N
Vietnam	25/02/2014	Y	Y*	N

[@] Table 3 does not include this case as it falls outside the reporting period of this issue.

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 20 February 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 Anhui Province.

^{iv} On 6 February 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.

^v 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.

^{vi} On 7 February 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 Fujian Province.

^{vii} On 3 March 2014, the Centre for Health Protection of the Department of Health was notified by the Health and Family Planning Commission of Guangdong Province regarding a human case of avian influenza A(H7N9) in Guangdong Province.

^{viii} On 11 February 2014, specimens from markets in Guangdong Province were tested positive for avian influenza A(H7N9).

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

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

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

^{xii} 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, which is imported from Zhejiang Province. The patient became ill when he was working in Zhejiang Province.

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

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

^{xv} On 12 February 2014, the Centre for Health Protection of the Department of Health was investigating an imported human case of avian influenza A(H7N9) in Hong Kong. (<http://www.info.gov.hk/gia/general/201402/12/P201402120640.htm>)

^{xvi} 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>)

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

^{xviii} On 1 March 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 Hunan Province.

^{xix} On 25 February 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(H5) in Hunan Province.

^{xx} On 28 February 2014, specimens from markets in Hunan Province was tested positive for avian influenza A(H7N9).

^{xxi} On 27 February 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 Jiangsu Province.

^{xxii} On 21 February 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

Other confirmed human cases of non-H5/H7 avian influenza infections not included in the above table:

(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 13 February 2014, the Centre for Health Protection of the Department of Health in Hong Kong received notification of an additional human case of avian influenza A(H10N8) in Jiangxi Province.

(<http://www.info.gov.hk/gia/general/201402/14/P201402140245.htm>)

avian influenza A(H7N9) in Jilin Province.

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

^{xxiv} On 23 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 Shanghai municipality.

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

^{xxvi} On 28 February 2014, the Centre for Health Protection of the Department of Health was notified by the National Health and Family Planning Commission regarding 2 human cases of avian influenza A(H7N9) in Zhejiang Province.

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

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

^{xxix} On 5 September 2013, avian influenza A(H7N7) was reported on a poultry farm in Italy.

^{xxx} On 28 February 2014, avian influenza A(H5N8) was reported on poultry farms in the Republic of Korea.

^{xxxi} 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.

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

Country	Cumulative no. of cases (December 2003 to March 2014)	No. of recent cases (December 2013 to March 2014)
Azerbaijan	8	0
Bangladesh	7	0
Cambodia	50	3
Canada	1	1
China	46	1
Djibouti	1	0
Egypt	173	0
Indonesia	195	0
Iraq	3	0
Laos	2	0
Myanmar	1	0
Nigeria	1	0
Pakistan	3	0
Thailand	25	0
Turkey	12	0
Vietnam	127	2
Overall	655	7

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

Date of report by WHO	Country	Province / Region	District / City	Sex	Age	Outcome at the time of reporting
09/01/2014	Canada	-	-	-	-	Fatal
24/01/2014	Vietnam	Binh Phuoc	Bu Dang	M	52	Fatal
07/02/2014	Cambodia	Kampong Thom	Santuk	M	5	Stable
07/02/2014	China	Guangxi	Liuzhou	M	75	Critical
14/02/2014	Vietnam	Dong Thap	-	F	60	Fatal
14/02/2014	Cambodia	Kratie	Snourl	M	8	Fatal
21/02/2014	Cambodia	Kratie	Snourl	M	4	Mild

* The case in Table 2 is not included.

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.