

Summary

1. There were no new confirmed human cases of avian influenza A(H5N1) reported by the World Health Organization (WHO).[#]
2. From 2008 to 2012, 32 to 73 confirmed human cases of avian influenza A(H5N1) were reported to WHO annually. In 2013 (as of December 7), 38 cases were reported by WHO.
3. During this reporting period, two confirmed human cases of avian influenza A(H7N9) in Hong Kong were reported by the Centre for Health Protection of the Department of Health. One confirmed human case of avian influenza A(H7N9) in Zhejiang Province was reported by the National Health and Family Planning Commission (NHFPC). As of December 7, a total of 143 cases were reported.

This week's highlights

(as of December 7, 2013) (Sources: Centre for Health Protection (CHP) of the Department of Health, WHO, World Health Organization for Animal Health (OIE) and NHFPC)

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)	2(0)	<p>Hong Kong: Two cases of human infection with avian influenza A(H7N9) were confirmed.</p> <ul style="list-style-type: none"> ● One case is a 36-year-old Indonesian domestic helper. She had handled a chicken with a friend while in Shenzhen. She was in critical condition at the time of reporting. (CHP, December 2, 2013) ● One case is an 80-year-old man, who has been living in Shenzhen for quite a long time. His family member had prepared and cooked a chicken slaughtered in market. He was in stable condition at the time of reporting. (CHP, December 6, 2013)

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	-	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)	Details
In this reporting period	China	1(0)	Zhejiang: One case of human infection with avian influenza A(H7N9) was reported in Zhejiang Province affecting a 30-year-old man. He was in stable condition. (NHFPC, December 6, 2013)

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 \(AFCD\)](#)

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
-	0	-

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	38	648
Deaths	4	32	43	79	59	33	32	24	34	20	24	384
Case Fatality Rate	100%	69.6%	43.9%	68.7%	67.0%	75.0%	43.8%	50.0%	54.8%	62.5%	63.2%	59.3%

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

Table 8. In the past 6 months, highly pathogenic avian influenza 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
China				
Guangdong	05/11/2013	Y* ⁱⁱ	-	-
Hebei	20/07/2013	Y* ⁱⁱⁱ	-	-
Hong Kong	06/12/2013	Y* ^{iv}	N	N
Jiangsu	05/07/2013	Y* ^v	-	-
Zhejiang	06/12/2013	Y* ^{vi}	-	-
Egypt	04/06/2013	Y*	Endemic	N
India	05/08/2013	N	Y*	N
Indonesia	22/11/2013	Y*	Endemic	N
Italy	05/09/2013	N	Y* ^{vii}	N
Mexico	31/08/2013	N	Y* ^{viii}	N
Nepal	12/11/2013	N	Y*	N
South Africa	30/08/2013	N	Y* ^{ix}	N
Vietnam	14/10/2013	Y	Y*	N

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

ⁱⁱ One case of human infection with avian influenza A(H7N9) in Guangdong Province was reported by the National Health and Family Planning Commission of Guangdong Province on November 5, 2013.

ⁱⁱⁱ 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.

^{iv} On 6 December 2013, an additional human case of avian influenza A(H7N9) was confirmed in Hong Kong.

^v One lookback confirmed case of human infection with avian influenza A(H7N9) in Jiangsu Province was reported by the National Health and Family Planning Commission on July 5, 2013.

^{vi} On 6 December 2013, 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 Zhejiang Province.

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

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

^{ix} Avian influenza A(H5N2) was reported on commercial ostrich farms in South Africa.

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

Country	Cumulative no. of cases (December 2003 to December 2013)	No. of recent cases (September 2013 to December 2013)
Azerbaijan	8	0
Bangladesh	7	0
Cambodia	47	9
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	648	11

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

Date of report by WHO	Country	Province / Region	District	Sex	Age	Outcome at the time of reporting
05/09/2013	Cambodia	Phnom Penh	Khan Russey Keo	M	1	Stable
20/09/2013	Cambodia	Takeo	Traing	F	5	Recovered
20/09/2013	Cambodia	Kampot	Thek Chhou	F	2	Fatal
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

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.