

# Avian Influenza Report

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## Summary

1. There were no new human cases of avian influenza A(H5N1) reported by the World Health Organization (WHO). <sup>#</sup>
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 September 6), 18 cases were reported by WHO<sup>^</sup>.
3. Since the previous report, two confirmed human cases of avian influenza A(H7N9) from Xinjiang Uygur Autonomous Region were reported by the National Health and Family Planning Commission (NHFPC). Since March 2013 (as of September 6, 2014), there were a total of 453 cases reported.

<sup>#</sup> 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

<sup>^</sup> According to date of disease onset

## This week's highlights

(as of September 6, 2014) (Sources: WHO, National Health and Family Planning Commission (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)**

	<b>No. of H5N1 cases (No. of deaths)</b>	<b>No. of H7N9 cases (No. of deaths)</b>	<b>Details</b>
<b>In this reporting period</b>	0(0)	0(0)	-

**Table 2. Outside Hong Kong: Confirmed human cases of avian influenza A(H5N1)**

	<b>Place of occurrence</b>	<b>No. of cases (No. of deaths)</b>	<b>Details</b>
<b>In this reporting period</b>	-	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	China	2(1)	Xinjiang Uygur Autonomous Region	Urumqi	66	F	fatal	3/9/2014
			Xinjiang Uygur Autonomous Region	Urumqi	53	M	mild	3/9/2014

**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 (453 cases in total) (as of September 9, 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 <sup>%</sup>	10 (all cases imported from Guangdong Province)
	Jiangxi Province	8
	Shandong Province <sup>+</sup>	5 (1 case imported from Jiangsu Province)
	Henan Province	4
	Beijing Municipality	4
	Taiwan <sup>*</sup>	4 (*3 cases imported from Jiangsu Province and 1 case had travel history to Beijing and Jiangsu Province)
	Guangxi Province <sup>@</sup>	3 (@1 case imported from Guangdong Province)
	Jilin Province	2
	Hebei Province	1
	Guizhou Province <sup>#</sup>	1 (#imported from Zhejiang Province)
	Xinjiang Uygur Autonomous Region	2
Malaysia <sup>&amp;</sup>		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
<b>In this reporting period</b>	-	-	-
<b>Previously reported cases (in the past 6 months)</b>	China	1(1)	<b>Avian influenza A(H5N6):</b> □ <b>Sichuan Province:</b> A 49-year-old man, reported on 6 May 2014.

**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
<b>In this reporting period</b>	0	0	-
<b>Cumulative since 2013</b>	1 <sup>0</sup>	1 <sup>#</sup>	-

<sup>0</sup> For further information, please visit the website of the Agriculture, Fisheries and Conservation Department

<sup>#</sup> Live poultry imported from Mainland tested positive for H7 avian influenza virus

**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 H5N6	No. of reports of H7N9	Details
China, Vietnam	2	0	<p><b>China:</b> Specimens from poultry in Heilongjiang Province were tested positive for highly pathogenic avian influenza A(H5N6). (OIE, September 1, 2014 )</p> <p><b>Vietnam:</b> Poultry from Quang Tri and Quang Ngai Provinces were confirmed positive for highly pathogenic avian influenza A(H5N6) infection. (OIE, September 4, 2014)</p>

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) <sup>§</sup>**

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Overall
<b>Cases</b>	4	46	98	115	88	44	73	48	62	32	39	18	667
<b>Deaths</b>	4	32	43	79	59	33	32	24	34	20	25	8	393
<b>Case Fatality Rate</b>	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%

<sup>§</sup> 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 September 9, 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* <sup>i</sup>	-	-
Fujian	06/05/2014	Y <sup>ii</sup>	Y* <sup>iii</sup>	-
Guangdong	17/06/2014	Y* <sup>iv</sup>	Y <sup>v</sup>	-
Heilongjiang	01/09/2014	N	Y* <sup>vi</sup>	N
Henan	09/07/2014	-	Y* <sup>vii</sup>	-
<i>Hong Kong (not an affected area)</i>	<i>13/04/2014</i>	Y* <sup>viii</sup>	-	-
Hunan	07/07/2014	Y* <sup>ix, x</sup>	Y <sup>xi</sup>	-
Jiangsu	04/06/2014	Y* <sup>xii</sup>	-	-
Jiangxi	01/05/2014	Y* <sup>xiii</sup>	-	-
Jilin	09/05/2014	Y* <sup>xiv</sup>	-	-
Macau	18/03/2014	-	Y* <sup>xv</sup>	-
Shandong	04/06/2014	Y* <sup>xvi</sup>	-	-
Taiwan	02/05/2014	Y <sup>xvii</sup>	Y* <sup>xviii</sup>	N
Xinjiang	03/09/2014	Y* <sup>xix</sup>	-	-
Yunnan	07/03/2014	N	Y* <sup>xx</sup>	N
Zhejiang	23/06/2014	Y* <sup>xxi</sup>	-	-
Democratic People's Republic of Korea	22/04/2014	N	Y*	N
Egypt	27/06/2014	Y*	Endemic	N
Indonesia	27/06/2014	Y*	Endemic	N
Japan	18/04/2014	N	Y* <sup>xxii</sup>	N
Laos	31/03/2014	N	Y* <sup>xxiii</sup>	N
Libya	12/03/2014	N	Y*	N
Republic of Korea	30/04/2014	N	Y* <sup>xxiv</sup>	N
Vietnam	04/09/2014	N	Y* <sup>xxv</sup>	N

<sup>i</sup> 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.

<sup>ii</sup> On 29 March 2014, CHP was notified by NHFPC regarding a human case of avian influenza A(H7N9) in Fujian Province.

<sup>iii</sup> On 6 May 2014, OIE reported that chicken samples tested positive at a live bird market in Fujian Province.

<sup>iv</sup> On 17 June 2014, CHP is closely monitoring a human case of avian influenza A(H7N9) in Guangdong Province.

<sup>v</sup> On 6 May 2014, OIE reported that specimens from live bird markets in Guangdong Province were tested positive for avian influenza A(H7N9).

<sup>vi</sup> On 1 September 2014, highly pathogenic avian influenza A(H5N6) was reported in poultry in Heilongjiang Province, China, by the Ministry of Agriculture in China.

<sup>vii</sup> On 9 July 2014, avian influenza A(H7N9) was detected in a market in Henan Province.

<sup>viii</sup> On 13 April 2014, CHP confirmed an imported human case of avian influenza A(H7N9) in Hong Kong.

<sup>ix</sup> 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.

<sup>x</sup> On 7 March 2014, WHO reported a confirmed human case of avian influenza A (H5N1) in Hunan Province.

<sup>xi</sup> On 7 March 2014, specimens from markets in Hunan Province were tested positive for avian influenza A(H7N9).

<sup>xii</sup> On 4 June 2014, CHP was notified by NHFPC regarding two human cases of avian influenza A(H7N9) in Jiangsu Province.

<sup>xiii</sup> On 1 May 2014, CHP is closely monitoring an additional human case of avian influenza A(H7N9) in Jiangxi Province.

<sup>xiv</sup> On 9 May 2014, CHP was notified by NHFPC regarding a human case of avian influenza A(H7N9) in Jilin Province.

<sup>xv</sup> On 18 April 2014, Macau SAR reported that environmental samples taken from a market were tested positive for H7N9.

<sup>xvi</sup> On 4 June 2014, CHP was notified by NHFPC regarding two human cases of avian influenza A(H7N9) in Shandong Province.

<sup>xvii</sup> One case of human infection with avian influenza A(H7N9) imported from Mainland China was reported in Taiwan on 25 April 2014.

<sup>xviii</sup> On 2 May 2014, highly pathogenic avian influenza A(H5N2) was detected in a poultry specimen in Taiwan.

<sup>xix</sup> On 3 September 2014, CHP was notified by NHFPC regarding two human cases of avian influenza A(H7N9) in Xinjiang Uygur Autonomous Region.

<sup>xx</sup> On 7 March 2014, highly pathogenic avian influenza A(H5N1) in poultry was reported in Yunnan Province.

<sup>xxi</sup> On 23 June 2014, CHP was notified by NHFPC regarding a human case of avian influenza A(H7N9) in Zhejiang Province.

<sup>xxii</sup> On 18 April 2014, avian influenza A(H5N8) was reported on a poultry farm in Japan.

<sup>xxiii</sup> On 31 March 2014, avian influenza A(H5N6) was reported in poultry in Laos.

<sup>xxiv</sup> On 30 April 2014, avian influenza A(H5N8) was reported on poultry farms in the Republic of Korea.

<sup>xxv</sup> On 4 September 2014, avian influenza A(H5N6) was reported in poultry in Vietnam.

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

<b>Country</b>	<b>Cumulative no. of cases (December 2003 to September 2014)</b>	<b>No. of recent cases (June to September 2014)</b>
Azerbaijan	8	0
Bangladesh	7	0
Cambodia	56	0
Canada	1	0
China	47	0
Djibouti	1	0
Egypt	176	0
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	2

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

<b>Date of report by WHO</b>	<b>Country</b>	<b>Province / Region</b>	<b>District / City</b>	<b>Sex</b>	<b>Age</b>	<b>Outcome at the time of reporting</b>
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.