

# 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 2010 to 2014, 32 to 62 confirmed human cases of avian influenza A(H5N1) were reported to WHO annually (according to onset date). In 2015 (as of December 12), 143 cases were reported by WHO\* (according to onset date).
3. Since the previous issue of Avian Influenza Report, the National Health and Family Planning Commission (NHFPC) reported one new human case of avian influenza A(H7N9) from Zhejiang. Since March 2013 (as of December 12, 2015), there were a total of 683 cases reported globally. Since October 2015 (as of December 12), six human cases of avian influenza A(H7N9) have been recorded in Mainland China.

<sup>#</sup> Since November 21, 2012, WHO only publishes information on human cases with avian influenza A(H5N1) infection in “[Influenza at human - animal interface: Monthly Risk Assessment Summary](#)”. Only cases of human infection with H5N1 involved in events that are unusual or associated with potential increased risks will be reported in Disease Outbreak News.

\* According to the latest [report](#) published in November, 2015

## This week's highlights

(as of December 12, 2015) (Sources: WHO, NHFPC, Mainland health authorities, Centre for Health Protection (CHP) and World Organisation 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
<b>In this reporting period</b>	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
<b>In this reporting period</b>	-	0(0)	-

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)	Province / Region / Municipality	City / District / Area	Age (years)	Sex	Condition at time of reporting	Date of report
<b>New case</b>	Mainland China	1(0)	Zhejiang	Hangzhou	60	M	Serious	11/12/2015

**Table 4. Cumulative numbers of confirmed cases of human infection with avian influenza A(H7N9) since 2013 and since October 2015 respectively**

Confirmed H7N9 human cases have been reported in the following countries / areas		Cumulative no. of cases since 2013 (683 cases in total) (as of December 12, 2015)	Cumulative no. of cases since October 2015 (6 cases in total) (as of December 12, 2015)
Mainland China	Zhejiang Province	189	5
	Guangdong Province	182	1
	Jiangsu Province	78	-
	Fujian Province	63	-
	Shanghai Municipality	48	-
	Anhui Province	30	-
	Hunan Province	26	-
	Jiangxi Province	11	-
	Xinjiang Uygur Autonomous Region	10	-
	Shandong Province	7	-
	Beijing Municipality	6	-
	Henan Province	4	-
	Guangxi Province	3	-
	Jilin Province	2	-
	Guizhou Province	2	-
	Hebei Province	1	-
Hubei Province	1	-	
Canada	2*	-	
Hong Kong	13*	-	
Malaysia	1*	-	
Taiwan	4*	-	

\* All cases imported from Mainland China

**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>Mainland China</b>	4(0)	<p><b>Avian influenza A(H9N2):</b></p> <ul style="list-style-type: none"> <li>▫ <b>Anhui Province:</b> CHP was notified by NHFPC of a confirmed human case of avian influenza A(H9N2) affecting a 4-year-old girl. The case is a mild case with history of visiting wet market. (NHFPC, December 11, 2015)</li> <li>▫ <b>Hunan Province:</b> CHP was notified by NHFPC of three confirmed human cases of avian influenza A(H9N2), involving a two-year-old boy, a fifteen-year-old girl and a one-year-old girl. All are mild cases. (NHFPC, December 11, 2015)</li> </ul>
<b>Previously reported cases (in the past 6 months)</b>	<b>Mainland China</b>	1(1)	<p><b>Avian influenza A(H5N6):</b></p> <ul style="list-style-type: none"> <li>▫ <b>Yunnan Province:</b> A 37-year-old woman reported on July 11, 2015<sup>i</sup></li> </ul>
	<b>Egypt</b>	2(0)	<p><b>Avian influenza A(H9N2):</b></p> <ul style="list-style-type: none"> <li>▫ <b>Cairo governorate:</b> A seven-year-old girl and a nine-month-old baby girl reported on June 23, 2015<sup>ii</sup></li> </ul>
	<b>Bangladesh</b>	1(0)	<p><b>Avian influenza A(H9N2):</b></p> <ul style="list-style-type: none"> <li>▫ <b>Bangladesh:</b> A 3.5-year-old girl reported on September 4, 2015<sup>iii</sup></li> </ul>

<sup>i</sup> Press release of Department of Health (Date: 11 July 2015)

<sup>ii</sup> The WHO reported two confirmed human cases of avian influenza A(H9N2) in Egypt in the Monthly Risk Assessment Summary in June.

<sup>iii</sup> The WHO reported one confirmed human case of avian influenza A(H9N2) in Bangladesh in the Monthly Risk Assessment Summary in September.

**Table 6. Hong Kong: Confirmed reports of avian influenza A(H5) or avian influenza A(H7N9) in poultry / wild birds since 2014**

	No. of reports of H5 in poultry / wild birds	No. of reports of H7N9 in poultry / wild birds	Details
<b>In this reporting period</b>	0	0	-
<b>Previously reported cases since 2014</b>	3*	2 <sup>#</sup>	-

\* The Government confirmed on April 9, 2015 that the carcass of a peregrine falcon found at a construction site in Hung Shui Kiu, Yuen Long was tested positive for H5N6 virus.

The Government confirmed that the carcass of an oriental magpie robin found in Sai Kung on April 29, 2015 was tested positive for H5N6 virus.

The Government confirmed that the carcass of an oriental magpie robin found in Kwai Chung on November 17, 2015 was tested positive for H5N6 virus.

<sup>#</sup> The Government confirmed on January 27, 2014 that a number of samples from a batch of live chickens imported from a registered poultry farm in Shunde District of Foshan City in Guangdong were tested positive for H7N9 virus.

The Government found on December 30, 2014 a number of samples from a consignment of live chickens from a registered farm in Huicheng District of Huizhou in Guangdong tested positive for H7N9 virus.

**Table 7. Outside Hong Kong: Confirmed avian influenza A(H5), A(H7N9) or other highly pathogenic avian influenza in poultry / wild birds reported in this week**

Places of occurrence	No. of reports of H5N1	No. of reports of H5N2	No. of reports of H5N6	No. of reports of H5N8	No. of reports of H5N9	Details
<p><b>France, Taiwan, Germany, Vietnam, Mainland China</b></p>	1	6	3	1	2	<p><b>France:</b> Samples from poultry in Dordogne Province and Haute-Vienne Province were tested positive for highly pathogenic avian influenza A(H5N1). (<i>OIE</i>, December 8, 2015)</p> <p><b>France:</b> Samples from poultry in Dordogne Province and Gers Province were tested positive for highly pathogenic avian influenza A(H5N2). (<i>OIE</i>, December 8 and December 10, 2015)</p> <p><b>France:</b> Samples from poultry in Landes Province and Aveyron Province were tested positive for low pathogenic avian influenza A(H5N2). (<i>OIE</i>, December 8 and December 10, 2015)</p> <p><b>France:</b> Samples from poultry in Landes Province and Dordogne Province were tested positive for highly pathogenic avian influenza A(H5N9). (<i>OIE</i>, December 8 and December 10, 2015)</p> <p><b>Taiwan:</b> Samples from poultry in Pingtung County and Hualien County were tested positive for highly pathogenic avian influenza A(H5N2). (<i>OIE</i>, December 8, 2015)</p> <p><b>Taiwan:</b> Samples from poultry in Tainan City and Chiayi County were tested positive for highly pathogenic avian influenza A(H5N8). (<i>OIE</i>, December 8, 2015)</p> <p><b>Germany:</b> Samples from poultry in Bayern State were tested positive for low pathogenic avian influenza A(H5N2). (<i>OIE</i>, December 8, 2015)</p> <p><b>Vietnam:</b> Samples from poultry in Quang Ninh Province and Quang Nam Province were tested positive for highly pathogenic avian influenza A(H5N6). (<i>OIE</i>, December 10 and December 13, 2015)</p> <p><b>Mainland China:</b> Samples from poultry in Hunan Province were tested positive for highly pathogenic avian influenza A(H5N6). (<i>OIE</i>, December 11, 2015)</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 / NHFPC since 2003 (by onset date) §**

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Overall
<b>Cases</b>	4	46	98	115	88	44	73	48	62	32	39	52	143	844
<b>Deaths</b>	4	32	43	79	59	33	32	24	34	20	25	22	42	449
<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%	42.3%	29.4%	53.2%

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

Table 9. Countries / areas with documented avian influenza A H5, H7N9 or other highly pathogenic avian influenza cases in the recent 6 months (including infections in humans/birds and relevant environmental samples) (as of December 14, 2015)

Country/ Area	Human cases		Poultry cases / environmental samples		Wild bird cases / others	
	Subtype of virus	Date of last report	Subtype of virus	Date of last report (Subtype in this report)	Subtype of virus	Date of last report (Subtype in this report)
Cambodia	-	-	H5	16/11/2015 (H5N1)	-	-
Cote D'Ivoire	-	-	H5	12/11/2015 (H5N1)	-	-
Egypt	H5N1	17/07/2015	Endemic	Endemic	-	-
France	-	-	H5	10/12/2015 (H5N2) 10/12/2015 (H5N9)	-	-
Germany	-	-	H7N7	27/07/2015 (H7N7)	-	-
Ghana	-	-	H5	07/12/2015 (H5N1)	-	-
Hong Kong	-	-	-	-	H5	18/11/2015 (H5N6)
Indonesia	-	-	Endemic	Endemic	-	-
Iran	-	-	H5	15/06/2015 (H5N1)	-	-
Israel	-	-	H5	20/06/2015 (H5N1)	-	-
Laos	-	-	H5	08/10/2015 (H5N6)	-	-
Mainland China						
Anhui	H7N9	12/06/2015	-	-	-	-
Beijing	H7N9	12/06/2015	-	-	-	-
Fujian	H7N9	12/06/2015	-	-	-	-
Guangdong	H7N9	24/11/2015	H5	14/08/2015 (H5N6)	-	-
Guizhou	-	-	H5	19/06/2015 (H5N1)	-	-
Hunan	-	-	H5	11/12/2015 (H5N6)	-	-
Inner Mongolia	-	-	-	-	H5	22/07/2015 (H5N1)
Jiangsu	H7N9	12/06/2015	H5	14/08/2015 (H5N2)	-	-
Qinghai	-	-	-	-	H5	17/07/2015 (H5N1)
Shanghai	H7N9	11/06/2015	-	-	-	-
Tibet Autonomous Region	-	-	-	-	H5	22/07/2015 (H5N1)
Yunnan	H5N6	11/07/2015	-	-	-	-
Zhejiang	H7N9	11/12/2015	-	-	-	-
Nigeria	-	-	H5	24/11/2015 (H5N1)	-	-
Palestinian Autonomous Territories	-	-	-	-	H5	15/10/2015*
Republic of Korea	-	-	H5	04/12/2015 (H5N8)	-	-
Russia	-	-	-	-	H5	21/08/2015 (H5N1)
Taiwan	-	-	H5	08/12/2015 (H5N2) 08/12/2015 (H5N8)	-	-
United States	-	-	H5	26/06/2015 (H5N2)	H5	17/06/2015 (H5N2)
United Kingdom	-	-	H7N7	13/07/2015 (H7N7)	-	-
Vietnam	-	-	H5	13/12/2015 (H5N6)	H5	03/06/2015 (H5N6)

Sources: WHO, OIE, NHFPC and other official websites

\*without further subtype information



**Table 10. Confirmed human cases of avian influenza A(H5N1) reported to WHO / NHFPC since 2003 (by date of reporting)**

<b>Country</b>	<b>Cumulative no. of cases (December 2003 to December 2015)</b>	<b>No. of recent cases<sup>^</sup> (September to December 2015)</b>
Azerbaijan	8	0
Bangladesh	7	0
Cambodia	56	0
Canada	1	0
Mainland China	52	0
Djibouti	1	0
Egypt	346	0
Indonesia	199	0
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	844	0

<sup>^</sup> Details of recent cases (September to December 2015) are listed in *Table 11*.

**Table 11. Details of the recent confirmed human cases of avian influenza A(H5N1) reported to WHO / NHFPC (September to December 2015) (Sources: WHO, NHFPC)**

<b>Date of report</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>
-	-	-	-	-	-	-

**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.