

Reporting period: 30 May to 5 June 2010 (Week 23)
(Published on 8 June 2010)

Summary

1. There was one new report of human avian influenza H5N1 infection in the past week. This case occurred in Hubei, **China** and was confirmed by the Ministry of Health in China on 4 June 2010.
2. From 2005 to 2007, about 100 laboratory-confirmed cases of human avian influenza H5N1 were reported to the World Health Organization (WHO) annually. In 2008 and 2009, 44 and 73 cases were confirmed respectively.

This week's update

(as of 5 Jun 2010)		Confirmed human cases (deaths)	Reports in wild birds/ poultry
		Source: WHO	Source: World Organisation for Animal Health (OIE)
This week	Hong Kong	0 (0)	0
	Outside HK	1 (1)	0
	Affected countries	China	-
	Details	China (Hubei): A 22-year-old pregnant female from Hubei province was confirmed H5N1 positive and had died. She had exposure to sick/dead poultry. (WHO, 8 June 2010)	-
Cumulative since Nov. 2003	Hong Kong	0	68 dead birds confirmed H5N1 positive (Total in 2010: 1 ⁰)
	Outside HK	499 (295) ^①	
	Affected countries	15 *	63 [#]

⁰ For further information, please visit the website of the Agriculture, Fisheries and Conservation Department (AFCD) : <http://www.afcd.gov.hk>

^① The latest case in Hubei confirmed by the Ministry of Health in China was included.

* The 15 affected countries included Azerbaijan, Bangladesh, Cambodia, 17 provinces in China (*Anhui, Beijing, Fujian, Guangdong, Guangxi, Guizhou, Hubei, Hunan, Jiangsu, Jiangxi, Liaoning, Shandong, Shanghai, Shanxi, Sichuan, Xinjiang, Zhejiang*), Djibouti, Egypt, Indonesia, Iraq, Laos, Myanmar, Nigeria, Pakistan, Thailand, Turkey and Vietnam.

[#] For details of the OIE reported cases in poultry/wild birds, please visit:
http://www.oie.int/eng/info_ev/en_AI_factoids_2.htm

Table 1.

Confirmed human cases of avian influenza A (H5N1) reported to WHO since 2003 by onset date of the cases[§]

	2003	2004	2005	2006	2007	2008	2009	2010	Overall
Cases	4	46	98	115	88	44	73	31	499
Deaths	4	32	43	79	59	33	32	13	295
Case Fatality Rate	100%	69.6%	43.9%	68.7%	67.0%	75.0%	43.8%	41.9%	59.1%

[§] Further breakdown by countries is available at the government website “Prevention of Avian Influenza” (<http://www.info.gov.hk/info/flu/eng/global.htm>)

Table 2.

Countries/areas affected by highly pathogenic avian influenza in the past 6 months

WHO Region	Date of last report by WHO / OIE	Countries	In the past 6 months, H5N1 has affected
Western Pacific	2010-06-08	China (Hubei)	Human
	2010-05-14	Laos	Poultry
	2010-05-10	Mongolia	Wild birds
	2010-05-04	Cambodia	Human, Poultry
	2010-04-29	Vietnam	Human, Poultry
	2010-04-07	China (Hong Kong SAR)	Wild birds
South-East Asia	2010-05-06	Indonesia ^{&}	Human, Poultry
	2010-04-25	Bangladesh	Poultry
	2010-03-25	Bhutan	Poultry
	2010-03-14	Nepal	Poultry
	2010-03-05	Myanmar	Poultry
	2010-02-11	India	Poultry
Eastern Mediterranean	2010-04-09	Egypt ^{&}	Human
Europe	2010-05-06	Israel	Poultry
	2010-04-01	Bulgaria	Wild birds
	2010-03-30	Romania	Poultry
Africa	2009-03-03	Nigeria ^{&}	Poultry
The Americas	--	--	--

[&] The World Organisation for Animal Health (OIE) has reported that avian influenza H5N1 is endemic in poultry in these countries.

Table 3.

Confirmed human cases of H5N1 reported to WHO since 2003

Country	Cumulative no. of cases (December 2003 to June 2010)	No. of recent cases (March to June 2010)
Azerbaijan	8	0
Bangladesh	1	0
Cambodia	10	1
China	39	1

Djibouti	1	0
Egypt	109	10
Indonesia	165	3
Iraq	3	0
Laos	2	0
Myanmar	1	0
Nigeria	1	0
Pakistan	3	0
Thailand	25	0
Turkey	12	0
Vietnam	119	6
Overall	499	21

Table 4.

Details of the recent confirmed human cases of H5N1 reported to WHO (March to June 2010)

Date of report by WHO	Country	District	Province	Sex	Age	Outcome
08/06/2010	China	-	Hubei	F	22	Fatal
06/05/2010	Indonesia	Pekanbaru	Riau	F	4	Fatal
06/05/2010	Indonesia	Malang	East Java	F	45	Alive
04/05/2010	Cambodia	-	Prey Veng	M	27	Fatal
21/04/2010	Vietnam	Nhu Co	Bac Kan	M	22	Alive
21/04/2010	Vietnam	Cho Moi	Bac Kan	F	2	Alive
09/04/2010	Egypt	Etsa	Fayoum	F	18	Fatal
30/03/2010	Egypt	-	Damietta	F	30	Alive
30/03/2010	Egypt	Beba	Beni Suaif	M	4	Fatal
29/03/2010	Vietnam	Thuan An	Binh Duong	F	3	Fatal
16/03/2010	Vietnam	Soc Son	Hanoi	F	25	Alive
12/03/2010	Egypt	El Khanka	Qaliobia	F	20	Fatal
12/03/2010	Egypt	Elhamool	Kfr Elsheikh	M	1	Alive
04/03/2010	Egypt	Shobra Elkhima	Qaliobia	M	53	Fatal
04/03/2010	Egypt	Banha	Qaliobia	M	1	Alive
04/03/2010	Egypt	Meet Ghamr	Dakalia	M	10	Alive
04/03/2010	Egypt	Kellin	Kafr El-Sheik	F	30	Alive
04/03/2010	Egypt	-	Kafr El-Sheik	M	13	Alive
04/03/2010	Vietnam	Ninh Hoa	Khanh Hoa	F	3	Alive
04/03/2010	Vietnam	Cai Be	Tien Giang	F	38	Fatal
04/03/2010	Vietnam	Son Duong	Tuyen Quang	F	17	Alive

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 aims to highlight important international developments on avian influenza preparedness and control and to monitor global avian influenza activity in humans and birds.

^o **Sources:** World Health Organization (WHO); World Organisation for Animal Health (OIE)