

## Summary

1. The latest case of human avian influenza H5N1 was reported by the World Health Organization (WHO) on 10 June 2011 and occurred in Cambodia.
2. From 2005 to 2007, about 100 laboratory-confirmed cases of human avian influenza H5N1 were reported to the WHO annually. In 2008, 2009 and 2010, 44, 73 and 48 cases were confirmed respectively. In 2011 (as of 11 June), 40 human cases of avian influenza A (H5N1) were confirmed.

## This week's update

(as of Jun 11, 2011)		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)	2
	Affected countries	<b>Cambodia</b>	<b>South Africa, Vietnam</b>
	Details	<b>Cambodia:</b> A 7-year-old female from Prey Veng Province was confirmed H5N1 positive and had died. She had exposure to sick poultry. (10 Jun 2011, WHO)	<b>South Africa:</b> Poultry in Western Cape Province died from highly pathogenic avian influenza (H5N2) infection. (10 June 2011, OIE) <b>Vietnam:</b> Poultry in Lang Son died from highly pathogenic avian influenza (H5N1) infection. (7 June 2011, OIE)
Cumulative since Nov. 2003	Hong Kong	1 (0)	77 dead birds confirmed H5N1 positive (Total in 2011: 7 <sup>6</sup> )
	Outside HK	555(325)	
	Affected countries	15 *	63 #
<sup>6</sup> For further information, please visit the website of the Agriculture, Fisheries and Conservation Department (AFCD) : <a href="http://www.afcd.gov.hk">http://www.afcd.gov.hk</a> * The 15 affected countries included Azerbaijan, Bangladesh, Cambodia, China (18 provinces/cities including Anhui, Beijing, Fujian, Guangdong, Guangxi, Guizhou, Hong Kong, Hubei, Hunan, Jiangsu, Jiangxi, Liaoning, Shandong, Shanghai, Shanxi, Sichuan, Xinjiang, and 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: <a href="http://www.oie.int/animal-health-in-the-world/web-portal-on-avian-influenza/">http://www.oie.int/animal-health-in-the-world/web-portal-on-avian-influenza/</a>			

Table 1.

**Confirmed human cases of avian influenza A (H5N1) reported to WHO since 2003 by onset date of the cases<sup>§</sup>**

	2003	2004	2005	2006	2007	2008	2009	2010	2011	Overall
<b>Cases</b>	4	46	98	115	88	44	73	48	40	556
<b>Deaths</b>	4	32	43	79	59	33	32	24	19	325
<b>Case Fatality Rate</b>	100%	69.6%	43.9%	68.7%	67.0%	75.0%	43.8%	50.0%	47.5%	58.5%

<sup>§</sup> 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 with confirmed highly pathogenic avian influenza (H5N1) cases in the past 6 months**

WHO Region	Date of last report by WHO / OIE	Countries	In the past 6 months, H5N1 infections were confirmed in		
			Humans	Poultry	Wild birds
Western Pacific	2011-06-10	<b>Cambodia</b>	✓	✓	
	2011-06-07	<b>Vietnam</b>		✓	
	2011-05-31	<b>South Korea</b>		✓	✓
	2011-05-13	<b>Japan</b>		✓	✓
	2011-04-20	<b>Mongolia</b>			✓
	2011-03-04	<b>China (Hong Kong)</b>			✓
South-East Asia	2011-06-03	<b>Indonesia<sup>&amp;</sup></b>	✓	✓	
	2011-05-12	<b>Bangladesh</b>	✓	✓	
	2011-03-23	<b>Myanmar</b>		✓	
	2011-03-07	<b>India</b>		✓	
	2010-12-05	<b>Nepal</b>		✓	
Eastern Mediterranean	2011-06-01	<b>Egypt<sup>&amp;</sup></b>	✓		
	2011-03-03	<b>Palestinian Autonomous Territories</b>		✓	
Europe	2011-03-11	<b>Israel</b>		✓	✓
Africa	2011-06-10	<b>South Africa</b>		✓	
	2009-03-03	<b>Nigeria<sup>&amp;</sup></b>		✓	
The Americas	--	--			

<sup>&</sup> The World Organisation for Animal Health (OIE) has reported that avian influenza H5N1 is endemic in poultry in these countries.

Note: Check marks in bold “✓” indicate occurrence of the most recent case.

Table 3.

**Confirmed human cases of H5N1 reported to WHO since 2003**

<b>Country</b>	<b>Cumulative no. of cases (December 2003 to June 2011)</b>	<b>No. of recent cases (March to June 2011)</b>
Azerbaijan	8	0
Bangladesh	3	2
Cambodia	16	3
China	40	0
Djibouti	1	0
Egypt	144	25
Indonesia	178	7
Iraq	3	0
Laos	2	0
Myanmar	1	0
Nigeria	1	0
Pakistan	3	0
Thailand	25	0
Turkey	12	0
Vietnam	119	0
<b>Overall</b>	<b>556</b>	<b>37</b>

Table 4.

**Details of the recent confirmed human cases of H5N1 reported to WHO (March to June 2011)**

<b>Date of report by WHO</b>	<b>Country</b>	<b>District</b>	<b>Province</b>	<b>Sex</b>	<b>Age</b>	<b>Outcome at the time of reporting</b>
10/06/2011	Cambodia	Kampong Trabek	Prey Veng Province	F	7	Fatal
03/06/2011	Indonesia	North Jakarta	DKI Jakarta	F	1	Alive
01/06/2011	Egypt	Amria	Alexandria	F	30	Fatal
13/05/2011	Indonesia	West Jakarta	DKI Jakarta	F	8	Fatal
21/04/2011	Cambodia	Pea Raing	Prey Veng	F	5	Fatal
21/04/2011	Egypt	Wadi Elrian	Fayoum	M	29	Fatal
21/04/2011	Egypt	Sennores	Fayoum	M	1	Alive
11/04/2011	Bangladesh	Kamalapur	Dhaka	M	2	Alive
11/04/2011	Egypt	-	Fayoum	M	1	Alive
11/04/2011	Egypt	-	Behaira	F	55	Alive
11/04/2011	Egypt	-	Menofeya	F	2	Alive
11/04/2011	Egypt	-	Behaira	F	20	Fatal
11/04/2011	Cambodia	Steung Trang	Kampong Cham	F	11	Fatal
06/04/2011	Egypt	-	Behaira	M	1	Alive
06/04/2011	Egypt	-	Behaira	F	3	Alive
06/04/2011	Egypt	-	Alexandria	F	34	Alive
06/04/2011	Egypt	-	Kafr El-Shaikh	F	30	Alive
01/04/2011	Indonesia	Gunung Kidul	Yogyakarta	F	28	Fatal
29/03/2011	Egypt	-	Suez	M	32	Fatal
29/03/2011	Egypt	-	Giza	F	28	Alive
29/03/2011	Egypt	-	Behira	M	4	Alive

25/03/2011	Indonesia	Bekasi City	West Java	F	2	Alive
16/03/2011	Bangladesh	-	Dhaka	F	16m	Alive
15/03/2011	Egypt	-	Ismailia	F	38	Fatal
14/03/2011	Indonesia	Depok City	West Java	M	2	Fatal
14/03/2011	Indonesia	Bekasi City	West Java	F	31	Fatal
10/03/2011	Egypt	-	Dakahlia	F	17	Fatal
10/03/2011	Egypt	-	Behira	F	17	Alive
07/03/2011	Egypt	-	Kafr Elsheikh	M	2	Alive
07/03/2011	Egypt	-	Sharkia	F	32	Fatal
02/03/2011	Indonesia	Karawang	West Java	F	26	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 aims to highlight important international developments on avian influenza preparedness and control and to monitor global avian influenza activity in humans and birds.

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