

Summary

1. There were no new confirmed human cases of H5N1 avian influenza reported by the World Health Organization (WHO) this week.
2. From 2005 to 2007, about 100 confirmed human cases of H5N1 avian influenza were reported to the WHO annually. In 2008, 2009 and 2010, 44, 73 and 48 cases were confirmed, respectively. In 2011 (as of July 30), 46 cases were confirmed.

This week's update

(as of July 30, 2011)		Confirmed human cases of H5N1 avian influenza (no. of deaths)	Confirmed H5N1 avian influenza in poultry / wild birds
		Source: WHO	Source: World Organization for Animal Health (OIE)
This week	Hong Kong	0 (0)	0
	Outside HK	0 (0)	1
	Affected countries	-	Cambodia
	Details	-	Cambodia: Wild birds in Takeo died from H5N1 avian influenza infection. (OIE, 26 July 2011)
Cumulative since Nov. 2003	Hong Kong	1 (0)	79 dead birds confirmed H5N1 positive (Total in 2011: 8 ⁰)
	Outside HK	561(329)	
	Affected countries	15 *	63 [#]

⁰ For further information, please visit the website of the Agriculture, Fisheries and Conservation Department: http://www.afcd.gov.hk/english/quarantine/qua_vetlab/qua_vetlab_ndr/qua_vetlab_ndr.html

* 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: <http://www.oie.int/animal-health-in-the-world/web-portal-on-avian-influenza/about-ai/h5n1-notified-2003-2010/>

Table 1.

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	Overall
Cases	4	46	98	115	88	44	73	48	46	562
Deaths	4	32	43	79	59	33	32	24	23	329
Case Fatality Rate	100%	69.6%	43.9%	68.7%	67.0%	75.0%	43.8%	50.0%	50.0%	58.5%

[§] 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 H5N1 avian influenza cases in the past 6 months

WHO Region	Date of last report	Countries	In the past 6 months, H5N1 avian influenza infections were confirmed in		
			Humans	Poultry	Wild birds
Western Pacific	2011-07-26	Cambodia	✓	✓	✓
	2011-07-18	Vietnam		✓	
	2011-05-31	South Korea		✓	✓
	2011-05-13	Japan		✓	✓
	2011-04-20	Mongolia			✓
	2011-03-04	China (Hong Kong)			✓
South-East Asia	2011-07-07	Bangladesh	✓	✓	
	2011-06-03	Indonesia^{&}	✓	✓	
	2011-03-23	Myanmar		✓	
	2011-03-07	India		✓	
Eastern Mediterranean	2011-06-22	Egypt^{&}	✓		
	2011-03-03	Palestinian Autonomous Territories		✓	
Europe	2011-03-11	Israel		✓	✓
Africa	2011-06-10	South Africa		✓	
	2009-03-03	Nigeria^{&}		✓	
The Americas	--	--			

[&] OIE has reported that H5N1 avian influenza 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 avian influenza reported to WHO since 2003

Country	Cumulative no. of cases (December 2003 to July 2011)	No. of recent cases (April to July 2011)
Azerbaijan	8	0
Bangladesh	3	1
Cambodia	16	3
China	40	0
Djibouti	1	0
Egypt	150	17
Indonesia	178	3
Iraq	3	0
Laos	2	0
Myanmar	1	0
Nigeria	1	0
Pakistan	3	0
Thailand	25	0

Turkey	12	0
Vietnam	119	0
Overall	562	24

Table 4.

Details of the recent confirmed human cases of H5N1 avian influenza reported to WHO (April to July 2011)

Date of report by WHO	Country	District	Province	Sex	Age	Outcome at the time of reporting
22/06/2011	Egypt	Deshna	Qena	M	27	Fatal
16/06/2011	Egypt	Aswan	Aswan	F	40	Recovered
16/06/2011	Egypt	Ashmoun	Menofia	F	21	Fatal
16/06/2011	Egypt	Shobra Elkhima	Qaliobia	M	31	Fatal
16/06/2011	Egypt	Elzawya	Cairo	M	32	Fatal
16/06/2011	Egypt	Ashmoon	Menofia	M	16	Recovering
10/06/2011	Cambodia	Kampong Trabek	Prey Veng Province	F	7	Fatal
03/06/2011	Indonesia	North Jakarta	DKI Jakarta	F	1	Recovered
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	Recovering
11/04/2011	Bangladesh	Kamalapur	Dhaka	M	2	Recovered
11/04/2011	Egypt	-	Fayoum	M	1	Recovering
11/04/2011	Egypt	-	Behaira	F	55	Recovered
11/04/2011	Egypt	-	Menofeya	F	2	Recovering
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	Recovered
06/04/2011	Egypt	-	Behaira	F	3	Recovered
06/04/2011	Egypt	-	Alexandria	F	34	Recovering
06/04/2011	Egypt	-	Kafr El-Shaikh	F	30	Recovered
01/04/2011	Indonesia	Gunung Kidul	Yogyakarta	F	28	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.

^o **Sources:** World Health Organization; World Organization for Animal Health