

## Summary

1. The latest human case of H5N1 avian influenza was reported by the World Health Organization (WHO) on August 2, 2011 and occurred in Cambodia.
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 August 6), 47 cases were confirmed.

## This week's update

(as of Aug 6, 2011)		Confirmed human cases of H5N1 avian influenza (no. of deaths)	Reports in poultry / wild birds
		Source: WHO	Source: World Organization 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 4-year-old female from Banteay Meanchey province was confirmed H5N1 avian influenza positive and had died. She had exposure to dead poultry. (Aug 2, 2011, <i>WHO</i> )	<b>South Africa:</b> Poultry in Western Cape province died from highly pathogenic H5N2 avian influenza infection. ( <i>OIE</i> , Aug 5, 2011) <b>Vietnam:</b> Poultry in Nghe An province died from H5N1 avian influenza infection. ( <i>OIE</i> , Aug 4, 2011)
Cumulative since Nov. 2003	Hong Kong	1 (0)	79 dead birds confirmed H5N1 positive (Total in 2011: 8 <sup>0</sup> )
	Outside HK	562(330)	
	Affected countries	15 *	63 #

<sup>0</sup> 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](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) <sup>§</sup>**

	2003	2004	2005	2006	2007	2008	2009	2010	2011	Overall
<b>Cases</b>	4	46	98	115	88	44	73	48	47	563
<b>Deaths</b>	4	32	43	79	59	33	32	24	24	330
<b>Case Fatality Rate</b>	100%	69.6%	43.9%	68.7%	67.0%	75.0%	43.8%	50.0%	51.1%	58.6%

<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 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	2011-08-04	<b>Vietnam</b>		✓	
	2011-08-02	<b>Cambodia</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	2011-07-07	<b>Bangladesh</b>	✓	✓	
	2011-06-03	<b>Indonesia<sup>&amp;</sup></b>	✓	✓	
	2011-03-23	<b>Myanmar</b>		✓	
	2011-03-07	<b>India</b>		✓	
Eastern Mediterranean	2011-06-22	<b>Egypt<sup>&amp;</sup></b>	✓		
	2011-03-03	<b>Palestinian Autonomous Territories</b>		✓	
Europe	2011-03-11	<b>Israel</b>		✓	✓
Africa	2011-08-05	<b>South Africa<sup>^</sup></b>		✓	
	2009-03-03	<b>Nigeria<sup>&amp;</sup></b>		✓	
The Americas	--	--			

<sup>&</sup> OIE has reported that H5N1 avian influenza is endemic in poultry in these countries.

<sup>^</sup> Avian influenza of H5N2 subtype was reported on commercial ostrich farms in South Africa.

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 August 2011)	No. of recent cases (May to August 2011)
Azerbaijan	8	0
Bangladesh	3	0
Cambodia	17	2
China	40	0

Djibouti	1	0
Egypt	150	7
Indonesia	178	2
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>563</b>	<b>11</b>

Table 4.

**Details of the recent confirmed human cases of H5N1 avian influenza reported to WHO (May to August 2011)**

Date of report by WHO	Country	District	Province	Sex	Age	Outcome at the time of reporting
02/08/2011	Cambodia	Mongkul Borei	Banteay Meanchey	F	4	Fatal
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

**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.

<sup>o</sup> Sources: World Health Organization; World Organization for Animal Health