

## Summary

1. The latest human case of H5N1 avian influenza occurred in Indonesia and was reported by the World Health Organization (WHO) on October 10, 2011.
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 October 15), 50 cases were confirmed.

## This week's update

(as of Oct 15, 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)	1
	Affected countries	<b>Indonesia</b>	<b>Iran</b>
	Details	<b>Indonesia:</b> A one-year-old girl from West Jakarta district, DKI Jakarta Province was confirmed positive for H5N1 avian influenza and died. A family member in her household works as a caterer, frequently processing poultry product, including slaughtering. There were also poultry in the neighbourhood but there were no reports of chicken deaths within the last 14 days. ( <i>WHO</i> , Oct 10, 2011)	<b>Iran:</b> Poultry in Mazandaran province died from H5N1 avian influenza. ( <i>OIE</i> , Oct 13, 2011)
Cumulative since Nov. 2003	Hong Kong	1 (0)	79 dead birds confirmed H5N1 positive (Total in 2011: 8 <sup>0</sup> )
	Outside HK	565 (332)	
	Affected countries	15 *	63 #
<p><sup>0</sup> For further information, please visit the website of the Agriculture, Fisheries and Conservation Department: <a href="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</a></p> <p>* 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.</p> <p># For details of the OIE reported cases in poultry/wild birds, please visit: <a href="http://web.oie.int/eng/info_ev/en_AI_factoids_2.htm">http://web.oie.int/eng/info_ev/en_AI_factoids_2.htm</a></p>			

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	50	566
<b>Deaths</b>	4	32	43	79	59	33	32	24	26	332
<b>Case Fatality Rate</b>	100%	69.6%	43.9%	68.7%	67.0%	75.0%	43.8%	50.0%	52.0%	58.7%

<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	Country	In the past 6 months, H5N1 avian influenza infections were confirmed in		
			Human	Poultry	Wild bird
Western Pacific	13/10/2011	Iran		✓	
	12/09/2011	Cambodia	✓	✓	✓
	05/09/2011	Vietnam		✓	
	31/05/2011	South Korea		✓	
	13/05/2011	Japan			✓
	20/04/2011	Mongolia			✓
South-East Asia	10/10/2011	Indonesia <sup>&amp;</sup>	✓	✓	
	19/09/2011	India		✓	
	08/09/2011	Bangladesh	✓	✓	
Eastern Mediterranean	09/08/2011	Egypt <sup>&amp;</sup>	✓		
Europe	11/04/2011	Israel			✓
Africa	22/09/2011	South Africa <sup>^</sup>		✓	
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 October 2011)	No. of recent cases (July to October 2011)
Azerbaijan	8	0
Bangladesh	3	0
Cambodia	18	2
China	40	0
Djibouti	1	0
Egypt	151	1
Indonesia	179	1
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>566</b>	<b>4</b>

Table 4.

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

Date of report by WHO <sup>o</sup>	Country	Province	District	Sex	Age	Outcome at the time of reporting
10/10/2011	Indonesia	DKI Jakarta	West Jakarta	F	1	Fatal
19/08/2011	Cambodia	Kampong Cham	Cheung Prey	F	6	Fatal
09/08/2011	Egypt	Behira	Demnhoor	F	6	Recovered
02/08/2011	Cambodia	Banteay Meanchey	Mongkul Borei	F	4	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> *Source: World Health Organization*