

## Summary

1. The latest human case of H5N1 avian influenza occurred in Egypt and was reported by the World Health Organization (WHO) on November 29, 2011.
2. From 2005 to 2007, about 100 confirmed human cases of H5N1 avian influenza were reported to WHO annually. In 2008, 2009 and 2010, 44, 73 and 48 cases were confirmed, respectively. In 2011 (as of December 3), 55 cases were confirmed.

## This week's update

(as of Dec 3, 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 (0)	1
	Affected countries	<b>Egypt</b>	<b>Nepal</b>
	Details	<b>Egypt:</b> A 31-year-old female from Meet Salseel district, Dakahlia governorate was confirmed positive for H5N1 avian influenza A. She is in critical condition and had exposure to sick and dead poultry. (WHO, Nov 29, 2011)	<b>Nepal:</b> Village birds in Bagmati province died from H5N1 avian influenza infection. (OIE, Dec 2, 2011)
Cumulative since Nov. 2003	Hong Kong	1 (0)	79 dead birds confirmed H5N1 positive (Total in 2011: 8 <sup>0</sup> )
	Outside HK	570 (335)	
	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	55	571
<b>Deaths</b>	4	32	43	79	59	33	32	24	29	335
<b>Case Fatality Rate</b>	100%	69.6%	43.9%	68.7%	67.0%	75.0%	43.8%	50.0%	52.7%	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	10/11/2011	Vietnam		✓	
	07/11/2011	Cambodia	✓	✓	✓
	13/10/2011	Iran		✓	
South-East Asia	02/12/2011	Nepal		✓	
	15/11/2011	Indonesia <sup>&amp;</sup>	✓	✓	
	19/09/2011	India		✓	
	08/09/2011	Bangladesh		✓	
Eastern Mediterranean	29/11/2011	Egypt <sup>&amp;</sup>	✓		
Africa	14/11/2011	South Africa <sup>^</sup>		✓	
Europe	--	--			
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 December 2011)	No. of recent cases (September to December 2011)
Azerbaijan	8	0
Bangladesh	3	0
Cambodia	18	2
China	40	0
Djibouti	1	0
Egypt	153	3
Indonesia	182	4
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>571</b>	<b>9</b>

Table 4.

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

Date of report by WHO <sup>σ</sup>	Country	Province	District	Sex	Age	Outcome at the time of reporting
29/11/2011	Egypt	Dakahlia	Meet Salseel	F	31	Critical condition
15/11/2011	Indonesia	Bali	Bangli	F	29	Fatal
02/11/2011	Egypt	Gharbia	Mahala	M	1	Recovered
26/10/2011	Indonesia	Bali	Bangli	F	5	Fatal
26/10/2011	Indonesia	Bali	Bangli	M	10	Fatal
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

<sup>σ</sup> Source: World Health Organization

**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 highlights global avian influenza activity in humans and birds.