

### Summary

1. The latest cases of human avian influenza H5N1 were reported by the World Health Organization (WHO) on 5 January 2011 and occurred in Egypt.
2. From 2005 to 2007, about 100 laboratory-confirmed cases of human avian influenza H5N1 were reported to the WHO annually. In 2008 and 2009, 44 and 73 cases were confirmed respectively. In 2010, 48 human cases of avian influenza A (H5N1) were confirmed.

### This week's update

(as of Jan 8, 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	4 (2)	1
	Affected countries	<b>Egypt</b>	<b>South Korea</b>
	Details	<p><b>Egypt:</b> Four cases of human H5N1 avian influenza were confirmed.</p> <ul style="list-style-type: none"> <li>• The first case was a 56 year-old woman from Sharkia governorate. She was discharged. Investigations into the source of infection were underway.</li> <li>• The second case was a 25-year-old woman from Qena governorate. She had passed away. She had contact with poultry.</li> <li>• The third case was a 27-year-old man from Ismailia governorate. He was still under treatment in the hospital. Investigations into the source of infection were underway.</li> <li>• The fourth case was a 40-year-old man from Dakahlia governorate. He had passed away. He had contact with poultry.</li> </ul> <p>(5 Jan 2011, WHO)</p>	<p><b>South Korea:</b> Poultry in Gyeongsangnam-do, Jeollanam-do, Chungcheongnam-do and Jeollabuk-do provinces died from avian influenza (H5N1) infection. (Jan 2 &amp; 7, 2011, OIE)</p>
Cumulative since Nov. 2003	Hong Kong	1 (0)	<b>69</b> dead birds confirmed H5N1 positive (Total in 2010: 2 <sup>6</sup> )

Outside HK	515 (306)	
Affected countries	15 *	63 <sup>#</sup>

<sup>0</sup> For further information, please visit the website of the Agriculture, Fisheries and Conservation Department (AFCD) : <http://www.afcd.gov.hk>

\* 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.

<sup>#</sup> For details of the OIE reported cases in poultry/wild birds, please visit: [http://www.oie.int/eng/info\\_ev/en\\_AI\\_factoids\\_2.htm](http://www.oie.int/eng/info_ev/en_AI_factoids_2.htm)

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	Overall
<b>Cases</b>	4	46	98	115	88	44	73	48	516
<b>Deaths</b>	4	32	43	79	59	33	32	24	306
<b>Case Fatality Rate</b>	100%	69.6%	43.9%	68.7%	67.0%	75.0%	43.8%	50.0%	59.3%

<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 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
Western Pacific	2011-01-07	South Korea	Poultry, Wild birds
	2010-12-22	China (Hong Kong)	Human, Wild bird
	2010-12-22	Japan	Poultry, Wild birds
	2010-08-17	Vietnam	Human, Poultry
	2010-07-02	China (Tibet)	Wild birds
	2010-06-08	China (Hubei)	Human
South-East Asia	2010-12-09	Indonesia <sup>&amp;</sup>	Human, Poultry
	2010-12-05	Nepal	Poultry
	2010-06-17	Bangladesh	Poultry
Eastern Mediterranean	2011-01-05	Egypt <sup>&amp;</sup>	Human
Europe	2010-06-25	Russia	Wild birds
Africa	2009-03-03	Nigeria <sup>&amp;</sup>	Poultry
The Americas	--	--	--

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

Table 3.

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

Country	Cumulative no. of cases (December 2003 to January 2011)	No. of recent cases (October 2010 to January 2011)
Azerbaijan	8	0
Bangladesh	1	0
Cambodia	10	0
China	40	1 <sup>^</sup>
Djibouti	1	0
Egypt	119	7
Indonesia	171	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
<b>Overall</b>	<b>516</b>	<b>11</b>

<sup>^</sup> A 59-year-old woman was confirmed to have Influenza A (H5N1) infection in Hong Kong on 17 November 2010. Source: Centre for Health Protection

Table 4.

**Details of the recent confirmed human cases of H5N1 reported to WHO (October 2010 to January 2011)**

Date of report by WHO	Country	District	Province	Sex	Age	Outcome
05/01/2011	Egypt	-	Sharkia	F	56	Alive
05/01/2011	Egypt	-	Qena	F	25	Fatal
05/01/2011	Egypt	-	Ismailia	M	27	Alive
05/01/2011	Egypt	-	Dakahlia	M	40	Fatal
29/12/2010	Egypt	Damanhour	El Beheira	F	28	Alive
29/12/2010	Egypt	Esna	Luxor	F	11	Fatal
09/12/2010	Indonesia	Bandung	West Java	F	21	Alive
08/12/2010	Egypt	-	Gharbia	F	30	Fatal
19/11/2010*	China	Hong Kong	-	F	59	Recovered and discharged
18/10/2010	Indonesia	West Jakarta	Jakarta	M	35	Fatal
18/10/2010	Indonesia	Kota Depok	West Java	F	40	Fatal

\* Based on the epidemiological investigation by the Centre for Health Protection, this human case of influenza A (H5) was classified as an imported sporadic infection.

**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 (WHO); World Organisation for Animal Health (OIE)