

Reporting period: 25 to 31 January 2009 (Week 5)

Summary

1. As of Jan 31, recent cases of avian influenza H5N1 in humans occurred in Guangxi, Guizhou and Xinjiang of China and Egypt (confirmed by WHO on Jan 27 and Jan 26).
2. Preliminary tests on a dead goose and two dead ducks found in Sha Lo Wan, Lantau Island, on Jan 29 were H5 avian influenza positive.
3. H5N1 infected poultry was detected in Hong Kong (Dec 9, 2008) and poultry within a 3km-radius were culled. Serious Response Level was activated.
4. In the past few years, about 100 cases of human AI infection were confirmed by the WHO annually, except 2008 where there were only 44 cases confirmed.
5. Cases occurred in the Western Pacific, South-East Asia and Eastern Mediterranean WHO regions. More cases were reported around January to March each year.

This week's update

(as of 31 Jan 2009)		Confirmed human cases (deaths)	Wild birds/ poultry reports
		Source: WHO	Source: OIE
This week	Hong Kong	0	1 [^]
	Outside HK	4 (2)	1
	Affected countries	China, Egypt	Bangladesh, Hong Kong
	Details	<u>China (WHO: Jan 27)</u> <ul style="list-style-type: none"> • A 31-year-old woman from Xinjiang • A 29-year-old man from Guizhou • A 18-year-old man from Guangxi <u>Egypt (WHO: Jan 26)</u> <ul style="list-style-type: none"> • A 2-year-old girl from Manofia Governorate 	<u>Bangladesh (OIE: Jan 29)</u> <ul style="list-style-type: none"> • H5N1 outbreak at a commercial farm in Chittagong <u>Hong Kong[^](AFCD: Jan 31)</u> <ul style="list-style-type: none"> • A dead goose and two dead ducks were suspected of H5 avian influenza infection
Cumulative since Nov. 2003	Hong Kong	0	46 wild birds ^θ
	Outside HK	403 (254)	
	Affected countries	15 *	62 [#]

^θ Details of 2008 is available at AFCD website:

http://www.afcd.gov.hk/tc_chi/whatsnew/what_qua/files/common/h5n1_2008.pdf

* The 15 affected countries included Azerbaijan, Bangladesh, Cambodia, 16 provinces in China (Anhui, Beijing, Fujian, Guangdong, Guangxi, Hubei, Hunan, Jiangsu, Jiangxi, Liaoning, Shandong, Shanghai, Shanxi, Sichuan, Xinjiang, Zhejiang), Djibouti, Egypt, Indonesia, Iraq, Laos, Myanmar, Nigeria, Pakistan, Thailand, Turkey and Vietnam.

[#] Details of the OIE reported cases in poultry/wild birds: http://www.oie.int/eng/en_index.htm

[^] Source: The Agriculture, Fisheries & Conservation Department, Hong Kong.

Table 1.

WHO confirmed human cases of avian influenza A (H5N1) since 2003 by onset date of the cases (as of 31 January 2009) §

	2003	2004	2005	2006	2007	2008	2009	Overall
Cases	4	46	98	115	88	44	8	403
Deaths	4	32	43	79	59	33	4	254
Case Fatality Rate (CFR)	100.0%	69.6%	43.9%	68.7%	67.0%	75%	50%	63.0%

§ 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 affected by avian influenza (H5N1) in the past 6 months (as of 31 January 2009)

WHO Region	Date of last report by WHO / OIE	Countries	In the past 6 months, H5N1 has affected
Western Pacific	2009-01-31 [#]	China (Hong Kong SAR)	Poultry , Wild bird
	2009-01-27	China (Guangxi)	Human
	2009-01-27	China (Guizhou)	Human
	2009-01-27	China (Xinjiang)	Human
	2009-01-19*	China (Hunan)	Human
	2009-01-19	China (Shandong)	Human
	2009-01-19 [^]	China (Shanxi)	Human
	2009-01-07	Vietnam	Human , Poultry
	2009-01-07	China (Beijing)	Human
	2008-12-25	Cambodia	Human, Poultry
	2008-12-19	China (Jiangsu)	Poultry
	2008-12-01	Laos	Poultry
South-East Asia	2009-01-29	Bangladesh	Poultry
	2009-01-22	Indonesia	Human , Poultry
	2009-01-22	India	Poultry
	2009-01-16	Nepal	Poultry
	2008-11-17	Thailand	Poultry
Eastern Mediterranean	2009-01-26	Egypt	Human , Poultry
Europe	2008-10-10	Germany	Poultry
Africa	2008-09-18	Togo	Poultry
	2008-08-25	Benin	Poultry
	2008-07-25	Nigeria	Poultry
The Americas	--	--	--

[#] Source: The Agriculture, Fisheries & Conservation Department, Hong Kong

[^] This case developed symptoms in Hunan province and was brought to Shanxi province for medical treatment.

* This case developed symptoms in Guizhou province and was transferred to Hunan province.

Table 3.

WHO confirmed human cases of H5N1 since 2003 (as of 31 January 2009)

Country	Cumulative no. of cases (November 2003 to January 2009)	No. of recent cases (October 2008 to January 2009)
Azerbaijan	8	0
Bangladesh	1	0
Cambodia	8	1
China	37	7
Djibouti	1	0
Egypt	53	3
Indonesia	141	4
Iraq	3	0
Laos	2	0
Myanmar	1	0
Nigeria	1	0
Pakistan	3	0
Thailand	25	0
Turkey	12	0
Vietnam	107	1
Overall	403	16

Table 4.

**Details of the recent WHO confirmed human cases of H5N1 (Oct 08 to Jan 09)
(as of 31 January 2009)**

Date of report by WHO	Country	District	Province	Sex	Age	Outcome
27/01/09	China	Beiliu	Guangxi	M	18	Fatal
27/01/09	China	Guiyang	Guizhou	M	29	Alive
27/01/09	China	Urumqi	Xinjiang	F	31	Fatal
26/01/09	Egypt	Shebin Elkom	Manofia	F	2	Alive
22 Jan 09	Indonesia	Bekasi City	West Java	F	5	Fatal
22 Jan 09	Indonesia	Tangerang	Banten	F	29	Fatal
19 Jan 09	China	Huaihua City / Guizhou	Hunan / Guizhou	M	16	Fatal
19 Jan 09	China	Jinan	Shandong	F	27	Fatal
19 Jan 09	China	Shanxi / Hunan	Shanxi / Hunan	F	2	Alive
14 Jan 09	Egypt	Kerdasa	Kerdasa	F	1	Alive
7 Jan 09	Vietnam	Ba Thuoc	Thanh Hoa	F	8	Alive
7 Jan 09	China	Chaoyang	Beijing	F	19	Fatal
16 Dec 08	Egypt	Upper Egypt	Assuit Governorate	F	16	Fatal
12 Dec 08	Cambodia	Kandal	Kandal	M	19	Alive
9 Dec 08	Indonesia	Riau	Riau	F	9	Alive
9 Dec 08	Indonesia	East Jakarta	Jakarta	F	2	Fatal

Health Protection during the alert level of Government's Preparedness Plan for Influenza Pandemic in Hong Kong. This report aims to highlight any important international development of avian influenza preparedness and control and to monitor global avian influenza activity in humans and birds.

° **Sources:** *World Health Organization (WHO); World Organisation for Animal Health (OIE)*