

Reporting period: 4 to 10 January 2009 (Week 2)

Summary

1. As of 10 Jan 2009, the most recent cases of human AI infection occurred in Vietnam (Jan 7) and Beijing, China (Jan 7).
2. In Hong Kong, avian influenza A (H9N2) was confirmed in a 2-month-old baby girl (Dec 30).
3. H5N1 infected poultry was detected in Hong Kong (Dec 9) and poultry within a 3km-radius were culled. Serious Response Level was activated.
4. In the past few years, about 100 cases of human avian influenza infection were confirmed by the WHO annually, except 2008 where there were only 42 cases.
5. The 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 10 Jan 2009)		WHO	OIE
		Confirmed human cases (deaths)	Wild birds/ poultry reports
This week	Hong Kong	0	0
	Outside HK	2	2
	Affected countries	China, Vietnam	Bangladesh, Vietnam
	Details / Media Reports	<ul style="list-style-type: none"> • China: A 19-year-old woman living in a suburb of Beijing had symptoms on Dec 24 and passed away on Jan 5, 2009. She tested positive for H5N1 and had contact with poultry before onset. (Jan 7, WHO) • Vietnam: An 8-year old girl from Thanh Hoa province tested positive for H5N1. She had contact with sick and dead poultry prior to onset. She is now stable. (Jan 7, WHO) 	<ul style="list-style-type: none"> • Bangladesh: Poultry affected by H5N1 in Dhaka and Rajshani. (Jan 6, OIE) • Vietnam: Village poultry died from H5N1 in Thanh Hoa. (Jan 7, OIE)
Cumulative since Nov. 2003	Hong Kong	0	46 wild birds ⁰
	Outside HK	393 (248)	
	Affected countries	15 *	61 [#]
<p>⁰ Details of 2008 is available at AFCD website: http://www.afcd.gov.hk/te_chi/whatsnew/what_qua/files/common/h5n1_2008.pdf</p> <p>* The 15 affected countries included Azerbaijan, Bangladesh, Cambodia, 14 provinces in China (<i>Anhui, Beijing, Fujian, Guangdong, Guangxi, Hubei, Hunan, Jiangsu, Jiangxi, Liaoning, Shanghai, Sichuan, Xinjiang, Zhejiang</i>), Djibouti, Egypt, Indonesia, Iraq, Laos, Myanmar, Nigeria, Pakistan, Thailand, Turkey and Vietnam.</p> <p>[#] Details of the OIE reported cases in poultry/wild birds: http://www.oie.int/eng/en_index.htm</p>			

Table 1.

WHO confirmed human cases of avian influenza (H5N1) by the year since 2003 (as of 10 January 2009)[§]

	2003	2004	2005	2006	2007	2008	2009	Overall
Cases	4	46	98	115	88	42	0	393
Deaths	4	32	43	79	59	31	0	248
Case Fatality Rate (CFR)	100.0%	69.6%	43.9%	68.7%	67.0%	73.8%	0.0%	63.1%

[§] 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 last 6 months (as of 10 January 2009)

WHO Region	Date of last report ^σ	Countries	In the past 6 months, H5N1 has affected
Western Pacific	2009-01-07	Vietnam	Human, Poultry
	2009-01-07	China (Beijing)	Human
	2008-12-25	Cambodia	Human, Poultry
	2008-12-19	China (Jiangsu)	Poultry
	2008-12-09 [#]	China (Hong Kong SAR)	Poultry , Wild bird
	2008-12-01	Laos	Poultry
South-East Asia	2009-01-06	Bangladesh	Poultry
	2009-01-02	India	Poultry
	2008-12-09	Indonesia	Human, Poultry
	2008-11-17	Thailand	Poultry
Eastern Mediterranean	2008-12-16	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: Agriculture, Fisheries and Conservation Department, Hong Kong.

Table 3.

WHO confirmed human cases of H5N1 since 2003 (as of 10 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	31	1
Djibouti	1	0
Egypt	51	1
Indonesia	139	2
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	393	6

Table 4.

Details of the recently confirmed human cases of H5N1 (October 2008 to January 2009)

Date of report ^o	Country	District	Province	Sex	Age	Outcome
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

Avian Influenza Report is a weekly report produced by Respiratory Disease Office of Centre for 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.

^o Sources: World Health Organization (WHO); World Organisation for Animal Health (OIE)