

Reporting period: 18 to 24 January 2009 (Week 4)

**Summary**

1. Recent cases of avian influenza H5N1 in humans occurred in Indonesia and Hunan, Shandong and Shanxi of China (confirmed by WHO on Jan 22 and 19, 2009).
2. In Hong Kong, avian influenza H9N2 was confirmed in a 2-month-old baby girl (Dec 30, 2008).
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**

<i>(as of 24 Jan 2009)</i>		Confirmed human cases (deaths)	Wild birds/ poultry reports
		Source: WHO	Source: OIE
This week	Hong Kong	0	0
	Outside HK	5 (4)	2
	Affected countries	<b>Indonesia, China</b>	<b>Bangladesh India</b>
	Details	<u>Indonesia</u> (WHO: Jan 22) <ul style="list-style-type: none"> <li>• 29-year-old woman from Banten, fatal</li> <li>• 5-year-old girl from West Java, fatal</li> </ul> <u>China</u> (WHO: Jan 19) <ul style="list-style-type: none"> <li>• 2-year-old girl from Shanxi province</li> <li>• 27-year-old woman from Shandong province, fatal</li> <li>• 16-year-old man from Hunan province, fatal</li> </ul>	<u>Bangladesh (OIE: Jan 22)</u> <ul style="list-style-type: none"> <li>• backyard and commercial farms were affected in Dhaka, Rajshahi and Chittagong</li> </ul> <u>India (OIE: Jan 22)</u> <ul style="list-style-type: none"> <li>• a village farm from Sikkim was affected</li> </ul>
Cumulative since Nov. 2003	Hong Kong	0	46 wild birds <sup>0</sup>
	Outside HK	399 (252)	
	Affected countries	15 *	62 <sup>#</sup>

<sup>0</sup> Details of 2008 is available at AFCD website:

[http://www.afcd.gov.hk/tc\\_chi/whatsnew/what\\_qua/files/common/h5n1\\_2008.pdf](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](http://www.oie.int/eng/en_index.htm)

Table 1.

**WHO confirmed human cases of avian influenza A (H5N1) since 2003 by onset date of the cases (as of 24 January 2009)<sup>§</sup>**

	2003	2004	2005	2006	2007	2008	2009	Overall
<b>Cases</b>	4	46	98	115	88	44	4	399
<b>Deaths</b>	4	32	43	79	59	33	2	252
<b>Case Fatality Rate (CFR)</b>	100.0%	69.6%	43.9%	68.7%	67.0%	75%	50%	63.2%

<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 affected by avian influenza (H5N1) in the past 6 months (as of 24 January 2009)**

WHO Region	Date of last report by WHO / OIE	Countries	In the past 6 months, H5N1 has affected
Western Pacific	2009-01-19*	<b>China</b> (Hunan)	Human
	2009-01-19*	<b>China</b> (Guizhou)	Human
	2009-01-19	<b>China</b> (Shandong)	Human
	2009-01-19 <sup>^</sup>	<b>China</b> (Shanxi)	Human
	2009-01-07	<b>Vietnam</b>	<b>Human, Poultry</b>
	2009-01-07	<b>China</b> (Beijing)	Human
	2008-12-25	<b>Cambodia</b>	Human, <b>Poultry</b>
	2008-12-19	<b>China</b> (Jiangsu)	Poultry
	2008-12-09 <sup>#</sup>	<b>China</b> (Hong Kong SAR)	<b>Poultry, Wild bird</b>
	2008-12-01	<b>Laos</b>	Poultry
South-East Asia	2009-01-22	<b>Indonesia</b>	<b>Human, Poultry</b>
	2009-01-22	<b>Bangladesh</b>	Poultry
	2009-01-22	<b>India</b>	Poultry
	2009-01-16	<b>Nepal</b>	Poultry
	2008-11-17	<b>Thailand</b>	Poultry
Eastern Mediterranean	2009-01-14	<b>Egypt</b>	<b>Human, Poultry</b>
Europe	2008-10-10	<b>Germany</b>	Poultry
Africa	2008-09-18	<b>Togo</b>	Poultry
	2008-08-25	<b>Benin</b>	Poultry
	2008-07-25	<b>Nigeria</b>	Poultry
The Americas	--	--	--

<sup>#</sup> Confirmed by the Agriculture, Fisheries and Conservation Department, Hong Kong.

<sup>^</sup> 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 22 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	34	4
Djibouti	1	0
Egypt	52	2
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
<b>Overall</b>	<b>399</b>	<b>12</b>

Table 4.

**Details of the recent WHO confirmed human cases of H5N1 (Oct 08 to Jan 09)  
(as of 22 January 2009)**

Date of report by WHO	Country	District	Province	Sex	Age	Outcome
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

**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.

<sup>o</sup> Sources: World Health Organization (WHO); World Organisation for Animal Health (OIE)