

Summary

1. In the past three years, about 100 cases of human avian influenza infection were confirmed by the WHO annually.
2. 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.
3. In 2008, there were 34 cases so far and the majority occurred in Indonesia (52.9%), Egypt (20.6%) and Vietnam (14.7%).

This week's update

(as of 20 July 2008)		WHO	OIE	Details of H5N1 cases/outbreaks
		Confirmed human cases (deaths)	Wild birds/poultry reports	
This week	Hong Kong	0	0	<ul style="list-style-type: none"> • Vietnam: 15 outbreaks affecting approximately 1000 poultry across various provinces
	Outside HK	0	1 report	
	Affected countries	-	Vietnam (poultry)	
Cumulative since November 2003	Hong Kong	0	46 wild birds ^θ	
	Outside HK	385 (243)		
	Affected countries	15 *	61 [#]	

^θ Includes only wild birds detected since 2006. Details of 2008 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, 14 provinces in China (Anhui, Beijing, Fujian, Guangdong, Guangxi, Hubei, Hunan, Jiangsu, Jiangxi, Liaoning, Shanghai, 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/info_ev/en_AI_factoids_2.htm)

Table 1.

WHO confirmed human cases of avian influenza (H5N1) by the year since 2003 (as of 20 July 2008)[§]

	2003	2004	2005	2006	2007	2008	Overall
Cases	4	46	98	115	88	34	385
Deaths	4	32	43	79	59	26	243
Case Fatality Rate (CFR)	100.0%	69.6%	43.9%	68.7%	67.0%	76.5%	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 20 July 2008)**

WHO Region	Countries	Affected by H5N1 in	Date of last report
Western Pacific	China (Guangxi)	Human	2008-02-22
	Vietnam	Human, Poultry	2008-07-14
	China (Guangdong)	Human, Poultry	2008-06-20
	China (Hunan)	Human, Poultry	2008-02-20
	China (Hong Kong SAR)	Poultry, Wild bird	2008-06-11 ^{&}
	Korea	Poultry	2008-04-15
	China (Tibet)	Poultry	2008-04-08
	China (Guizhou)	Poultry	2008-02-25
	China (Xinjiang)	Poultry	2008-01-04
	Laos	Poultry	2008-02-13
	Japan	Wild bird	2008-06-01
South-East Asia	Indonesia	Human, Poultry	2008-06-19
	Bangladesh	Poultry	2008-06-11
	India	Poultry	2008-06-03
	Thailand	Poultry	2008-01-25
Eastern Mediterranean	Egypt	Human, Poultry	2008-07-07
	Pakistan	Human, Poultry	2008-06-22
	Saudi Arabia	Poultry	2008-02-17
	Iran	Poultry	2008-01-16
Europe	Ukraine	Poultry, Wild bird	2008-02-13
	United Kingdom	Poultry, Wild bird	2008-02-06
	Russia	Poultry	2008-04-11
	Turkey	Poultry	2008-03-18
	Germany	Poultry	2008-01-22
	Israel	Poultry	2008-01-03
	Switzerland	Wild bird	2008-03-31
Africa	Nigeria	Poultry	2008-02-15
The Americas	--	--	--

[&] Environmental samples taken from cages of poultry stalls in a total of four markets tested positive for H5N1 avian influenza virus by the Agriculture, Fisheries and Conservation Department.

Table 3.

WHO confirmed human cases of H5N1 since 2003 (as of 20 July 2008)

Country	Cumulative no. of cases (November 2003 to July 2008)	No. of recent cases (April to July 2008)
Azerbaijan	8	0
Bangladesh	1	1
Cambodia	7	0
China	30	0
Djibouti	1	0
Egypt	50	3
Indonesia	135	6
Iraq	3	0
Laos	2	0
Myanmar	1	0
Nigeria	1	0
Pakistan	3	2
Thailand	25	0
Turkey	12	0
Vietnam	106	0
Overall	385	12

Table 4.

Details of the recent WHO confirmed human cases of H5N1 (April to July 2008)

Date of report	Country	Province	Region	Sex	Age	Outcome
19 Jun 08	Indonesia	Banten	Tangerang	F	34	Fatal
19 Jun 08	Indonesia	South Jakarta	Jakarta	F	16	Fatal
28 May 08	Bangladesh	Dhaka	Komalapur	M	1	Alive
30 Apr 08	Indonesia	Central Java	Wonogiri	M	3	Fatal
17 Apr 08	Egypt	Sharkea	Al-Honsanya	M	2	Alive
15 Apr 08	Egypt	Cairo	Al-Matarya	F	30	Fatal
08 Apr 08	Egypt	Behera	Kafr El-Dawar	M	19	Fatal
03 Apr 08	Pakistan	Peshawar	Peshawar	N/A	N/A	Alive
03 Apr 08	Pakistan	Peshawar	Peshawar	N/A	N/A	Alive
02 Apr 08	Indonesia	West Java	Subang	M	15	Fatal
02 Apr 08	Indonesia	West Java	Bekasi	F	11	Fatal
02 Apr 08	Indonesia	West Sumatra	Bukit Tinggi	F	2	Alive

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.

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