



Western Pacific Regional Office of the World Health Organization

Avian Influenza Update Number 262 (24 December 2010)

1. Latest information on Human Avian Influenza cases

In 2010, a total of 42 cases with 21 deaths were confirmed by WHO from Cambodia, China, Egypt, Indonesia and Viet Nam (Table 1). Egypt had the highest number of reported cases, 23 cases (52%), followed by Indonesia, 9 cases (21%).

Since 2003 to 9 December 2010, the number of cases reported from 15 countries worldwide is 510, and 303 of which were fatal (CFR 59.4%). Among the countries with more than 10 reported cases, Indonesia had the highest CFR of 82.5% (141 out of 171).

Age distribution of the reported cases ranged from 3 months to 81 years old (median 19 years old, n=489). The age group mostly affected was 0-9 years of age (29%, 142/489). The highest CFR (73.8%) was among persons 10-19 years of age and lowest (25.0%) was among persons aged 70 and above. Fifty-percent of the cases were female (258/485).

Table 1: Cumulative Number of Confirmed Human Cases of Avian Influenza A (H5N1) Reported to WHO As of 9 December 2010 (Change from previous report are highlighted in yellow)

Country	2003		2004		2005		2006		2007		2008		2009		2010		Total	
	case	death	Case	Death	Case	Death	Case	Death	Case	Death	Case	Death	Case	Death	Case	Death	Case	Death
WPRO																		
Cambodia	0	0	0	0	4	4	2	2	1	1	1	0	1	0	1	1	10	8
China	1	1	0	0	8	5	13	8	5	3	4	4	7	4	2	1	40	26
Lao PDR	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	2	2
Viet Nam	3	3	29	20	61	19	0	0	8	5	6	5	5	5	7	2	119	59
SEARO																		
Bangladesh	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
Indonesia	0	0	0	0	20	13	55	45	42	37	24	20	21	19	9	7	171	141
Myanmar	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
Thailand	0	0	17	12	5	2	3	3	0	0	0	0	0	0	0	0	25	17
EMRO																		
Djibouti	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
Egypt	0	0	0	0	0	0	18	10	25	9	8	4	39	4	23	10	113	37
Iraq	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	3	2
Pakistan	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	3	1
EURO																		
Azerbaijan	0	0	0	0	0	0	8	5	0	0	0	0	0	0	0	0	8	5
Turkey	0	0	0	0	0	0	12	4	0	0	0	0	0	0	0	0	12	4
AFRO																		
Nigeria	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1
Total	4	4	46	32	98	43	115	79	88	59	44	33	73	32	42	21	510	303

Total number of cases includes number of deaths. C=case, D=Death
 WHO reports only laboratory-confirmed case. All dates refer to onset of illness.
http://www.who.int/csr/disease/avian_influenza/country/en/index.html

Latest Human H5N1 situations in countries affected in 2010 (Updated on 9 Dec 2010)

Cambodia. As of 21 April 2010, Cambodia has reported 10 cases, of whom, 8 were fatal. The latest case was from Kampong Leave District, Prey Veng Province. The patient was a 27-year-old man who became sick on 13 April. He was admitted to a local hospital on 16 April then was transferred to the intensive care unit of Calmette Hospital in Phnom Penh on 17 April where he died later on the same day. Samples that were sent to the Pasteur Institute tested positive for influenza H5N1. Initial investigation revealed that the patient had eaten sick birds 7 days prior to onset of illness.

China. As of 19 Nov 2010, China has reported 2 cases in 2010. The latest case is a 59-year-old female from Hong Kong SAR. She had onset of symptoms on 2 Nov and was admitted to hospital on 14 Nov. She was diagnosed to have pneumonia and in a serious condition. The case had a history of travel to Shanghai, Nanjing and Hangzhou from 23 Oct to 1 Nov.

Egypt. As of 8 December 2010, Egypt has reported 113 cases with 37 deaths. The latest case was from Gharbia Governorate. The case was a 30 year-old female who developed symptoms on 28 November, was hospitalized on 1 December and died 2 December. Investigation indicated exposure to sick and dead poultry.

Indonesia. As of 9 December, Indonesia has reported 171 cases, of which 141 were fatal. Indonesia had the highest case fatality rate among countries with more than ten cases of confirmed human H5N1 infection. The latest confirmed case reported was Indonesia's ninth case for year 2010. The ninth case was a 21-year-old female from Bandung City, West Java Province. She developed symptoms on 14 November, was hospitalized on 22 November and is currently in hospital. Contact with dead or alive bird is unknown.

Viet Nam. As of 9 April 2010, Viet Nam has reported 119 cases with 59 deaths. The latest confirmed case was a 2 year-old girl from Choi Moi District, Bac Kan Province. The onset of illness was 2 April and hospitalized in Choi Moi District Hospital on 4 April. Confirmatory test results for influenza A (H5) were obtained on 7 April. The initial epidemiological investigations show that there are sick/dead poultry at patient's home and in the surrounding areas. The patient's family slaughtered the sick poultry to eat. There is no epi-link and no human-to-human transmission to the previous Bac Kan case.

2. Latest information on Avian Influenza outbreaks in poultry and New Human AI related Animal AI Event (as of 23 December 2010)

References for this section;

- OIE WAHID Weekly Disease Information Reports
http://www.oie.int/wahid-prod/public.php?page=weekly_report_index&admin=0
- FAO ECTAD HPAI SITUATION UPDATE (EMPRES/GLEWS); official report ONLY
- Update on Avian Influenza in Animals (Type H5)
http://www.oie.int/download/AVIAN%20INFLUENZA/A_AI-Asia.htm
- Official Report from the Ministry of Agriculture/Livestock

Summary of confirmed HPAI H5N1 outbreaks in WPRO/SEARO reported by OIE/FAO/MoA in 2010 (new reports are highlighted in yellow)

Region/ Country	September Sub-National/Province	October Sub-National/Province	November Sub-National/Province	December Sub-National/Province
Cambodia				
China				
Hong Kong				
Japan			Shimane (domestic poultry, wild birds)	Toyama (wild birds) Tottori (wild birds) Kagoshima (wild birds)
Republic of Korea				Chungcheongnam-Do (domestic poultry)
Lao PDR				
Mongolia				

Viet Nam			Nam Dinh (domestic poultry)	Ca Mau (domestic poultry)
South-East Asian Region				
Bangladesh				
Indonesia		South Sulawesi (domestic poultry)		
Nepal				Narayani (domestic poultry)
Bhutan				
Myanmar				

Highly Pathogenic Avian Influenza H5 confirmed outbreaks

23 June 2010 - 23 December 2010



Source: <http://empres-i.fao.org/empres-i/home>