

Summary

1. The latest case of human avian influenza H5N1 was reported by the World Health Organization (WHO) on 13 January 2011 and occurred in Egypt.
2. From 2005 to 2007, about 100 laboratory-confirmed cases of human avian influenza H5N1 were reported to the WHO annually. In 2008, 2009 and 2010, 44, 73 and 48 cases were confirmed respectively. In 2011 (as of 15 January), 1 human case of avian influenza A (H5N1) was confirmed.

This week's update

| (as of Jan 15, 2011) | | Confirmed human cases (deaths) | Reports in wild birds/ poultry |
|----------------------------|--------------------|--|---|
| | | Source: WHO | Source: World Organisation for Animal Health (OIE) |
| This week | Hong Kong | 0 (0) | 0 |
| | Outside HK | 1 (0) | 1 |
| | Affected countries | Egypt | Bangladesh |
| | Details | Egypt: A 10-year-old boy from Giza governorate was confirmed H5N1 positive. He was in a stable condition. He had contact with poultry. (13 Jan 2011, <i>WHO</i>) | Bangladesh: Poultry in Dhaka province died from avian influenza (H5N1) infection. (10 Jan 2011, <i>OIE</i>) |
| Cumulative since Nov. 2003 | Hong Kong | 1 (0) | 69 dead birds confirmed H5N1 positive (Total in 2010: 2 ⁰) |
| | Outside HK | 516 (306) | |
| | Affected countries | 15 * | 63 [#] |

⁰ For further information, please visit the website of the Agriculture, Fisheries and Conservation Department (AFCD) : <http://www.afcd.gov.hk>

* The 15 affected countries included Azerbaijan, Bangladesh, Cambodia, China (18 provinces/cities including Anhui, Beijing, Fujian, Guangdong, Guangxi, Guizhou, Hong Kong, Hubei, Hunan, Jiangsu, Jiangxi, Liaoning, Shandong, Shanghai, Shanxi, Sichuan, Xinjiang, and Zhejiang), Djibouti, Egypt, Indonesia, Iraq, Laos, Myanmar, Nigeria, Pakistan, Thailand, Turkey and Vietnam.

[#] For details of the OIE reported cases in poultry/wild birds, please visit: http://www.oie.int/eng/info_ev/en_AI_factoids_2.htm

Table 1.

Confirmed human cases of avian influenza A (H5N1) reported to WHO since 2003 by onset date of the cases[§]

| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | Overall |
|---------------------------|------|-------|-------|-------|-------|-------|-------|-------|------|---------|
| Cases | 4 | 46 | 98 | 115 | 88 | 44 | 73 | 48 | 1 | 517 |
| Deaths | 4 | 32 | 43 | 79 | 59 | 33 | 32 | 24 | 0 | 306 |
| Case Fatality Rate | 100% | 69.6% | 43.9% | 68.7% | 67.0% | 75.0% | 43.8% | 50.0% | 0.0% | 59.2% |

[§] 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 with confirmed highly pathogenic avian influenza cases in the past 6 months

| WHO Region | Date of last report by WHO / OIE | Countries | In the past 6 months, H5N1 infections were confirmed in |
|-----------------------|----------------------------------|----------------------------|---|
| Western Pacific | 2011-01-07 | South Korea | Poultry, Wild birds |
| | 2010-12-22 | China (Hong Kong) | Human, Wild bird |
| | 2010-12-22 | Japan | Poultry, Wild birds |
| | 2010-08-17 | Vietnam | Human, Poultry |
| | 2010-07-02 | China (Tibet) | Wild birds |
| South-East Asia | 2011-01-10 | Bangladesh | Poultry |
| | 2010-12-09 | Indonesia ^{&} | Human, Poultry |
| | 2010-12-05 | Nepal | Poultry |
| Eastern Mediterranean | 2011-01-13 | Egypt ^{&} | Human |
| Europe | -- | -- | -- |
| Africa | 2009-03-03 | Nigeria ^{&} | Poultry |
| The Americas | -- | -- | -- |

[&] The World Organisation for Animal Health (OIE) has reported that avian influenza H5N1 is endemic in poultry in these countries.

Table 3.

Confirmed human cases of H5N1 reported to WHO since 2003

| Country | Cumulative no. of cases (December 2003 to January 2011) | No. of recent cases (October 2010 to January 2011) |
|------------|---|--|
| Azerbaijan | 8 | 0 |
| Bangladesh | 1 | 0 |
| Cambodia | 10 | 0 |
| China | 40 | 1 [^] |
| Djibouti | 1 | 0 |
| Egypt | 120 | 8 |
| Indonesia | 171 | 3 |
| Iraq | 3 | 0 |
| Laos | 2 | 0 |
| Myanmar | 1 | 0 |

| | | |
|----------------|------------|-----------|
| Nigeria | 1 | 0 |
| Pakistan | 3 | 0 |
| Thailand | 25 | 0 |
| Turkey | 12 | 0 |
| Vietnam | 119 | 0 |
| Overall | 517 | 12 |

[^] A 59-year-old woman was confirmed to have Influenza A (H5N1) infection in Hong Kong on 17 November 2010. Source: Centre for Health Protection

Table 4.

Details of the recent confirmed human cases of H5N1 reported to WHO (October 2010 to January 2011)

| Date of report by WHO | Country | District | Province | Sex | Age | Outcome |
|-----------------------|-----------|--------------|------------|-----|-----|--------------------------|
| 13/01/2011 | Egypt | - | Giza | M | 10 | Alive |
| 05/01/2011 | Egypt | - | Sharkia | F | 56 | Alive |
| 05/01/2011 | Egypt | - | Qena | F | 25 | Fatal |
| 05/01/2011 | Egypt | - | Ismailia | M | 27 | Alive |
| 05/01/2011 | Egypt | - | Dakahlia | M | 40 | Fatal |
| 29/12/2010 | Egypt | Damanhour | El Beheira | F | 28 | Alive |
| 29/12/2010 | Egypt | Esna | Luxor | F | 11 | Fatal |
| 09/12/2010 | Indonesia | Bandung | West Java | F | 21 | Alive |
| 08/12/2010 | Egypt | - | Gharbia | F | 30 | Fatal |
| 19/11/2010* | China | Hong Kong | - | F | 59 | Recovered and discharged |
| 18/10/2010 | Indonesia | West Jakarta | Jakarta | M | 35 | Fatal |
| 18/10/2010 | Indonesia | Kota Depok | West Java | F | 40 | Fatal |

* Based on the epidemiological investigation by the Centre for Health Protection, this human case of influenza A (H5) was classified as an imported sporadic infection.

Avian Influenza Report is a weekly report produced by the Respiratory Disease Office of the Centre for Health Protection when the alert response level under the Government's Preparedness Plan for Influenza Pandemic in Hong Kong has been activated. This report aims to highlight important international developments on 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)