

# Avian Influenza Report

**VOLUME 11, NUMBER 45**

Reporting period: November 1, 2015 – November 7, 2015 (Week 45)

(Published on November 10, 2015)

## Summary

1. There were no new human cases of avian influenza A(H5N1) reported by the World Health Organization (WHO).<sup>#</sup>
2. From 2010 to 2014, 32 to 62 confirmed human cases of avian influenza A(H5N1) were reported to WHO annually (according to onset date). In 2015 (as of November 7), 143 cases were reported by WHO\* (according to onset date).
3. Since the previous issue of Avian Influenza Report, there were no human cases of avian influenza A(H7N9). Since March 2013 (as of November 7, 2015), there were a total of 679 cases reported globally. In the third wave from November 2014 to June 2015, 217 cases were reported in the Mainland. Since October 2015 (as of November 7), two human cases of avian influenza A(H7N9) have been reported by the National Health and Family Planning Commission (NHFPC).

<sup>#</sup> Since November 21, 2012, WHO only publishes information on human cases with avian influenza A(H5N1) infection in “[Influenza at human - animal interface: Monthly Risk Assessment Summary](#)”. Only cases of human infection with H5N1 involved in events that are unusual or associated with potential increased risks will be reported in Disease Outbreak News.

\* According to the latest [report](#) published in October, 2015

## **This week's highlights**

(as of November 7, 2015) (Sources: WHO, NHFPC, Mainland health authorities, Centre for Health Protection (CHP) and World Organisation for Animal Health (OIE))

**Table 1. Hong Kong: Confirmed human cases of avian influenza A(H5N1) / avian influenza A(H7N9)**

|                                 | <b>No. of H5N1 cases<br/>(No. of deaths)</b> | <b>No. of H7N9 cases<br/>(No. of deaths)</b> | <b>Details</b> |
|---------------------------------|--|--|----------------|
| <b>In this reporting period</b> | 0(0)   | 0(0)   | -              |

**Table 2. Outside Hong Kong: Confirmed human cases of avian influenza A(H5N1)**

|                                 | <b>Place of occurrence</b> | <b>No. of cases<br/>(No. of deaths)</b> | <b>Details</b> |
|---------------------------------|----------------------------|---|----------------|
| <b>In this reporting period</b> | -                          | 0(0)                                    | -              |

For the cumulative no. of human cases by place, please refer to [WHO/WPRO](http://www.who.int/wpro) website.

**Table 3. Outside Hong Kong: Confirmed cases of human infection with avian influenza A(H7N9)**

|                  | <b>Place of occurrence</b> | <b>No. of cases<br/>(No. of deaths)</b> | <b>Province / Region / Municipality</b> | <b>City / District / Area</b> | <b>Age (years)</b> | <b>Sex</b> | <b>Condition at time of reporting</b> | <b>Date of report</b> |
|------------------|----------------------------|---|---|-------------------------------|--------------------|------------|---------------------------------------|-----------------------|
| <b>New cases</b> | -                          | 0(0)                                    | -                                       | -                             | -                  | -          | -                                     | -                     |

**Table 4. Cumulative numbers of confirmed cases of human infection with avian influenza A(H7N9) since 2013 and since October 2015 respectively**

| <b>Confirmed H7N9 human cases have been reported in the following countries / areas</b> |                                  | <b>Cumulative no. of cases since 2013<br/>(679 cases in total)<br/>(as of November 7, 2015)</b> | <b>Cumulative no. of cases since October 2015<br/>(2 cases in total)<br/>(as of November 7, 2015)</b> |
|---|----------------------------------|---|---|
| Mainland China  | Zhejiang Province                | 186   | 2   |
|   | Guangdong Province               | 181   | -   |
|   | Jiangsu Province                 | 78  | -   |
|   | Fujian Province                  | 63  | -   |
|   | Shanghai Municipality            | 48  | -   |
|   | Anhui Province                   | 30  | -   |
|   | Hunan Province                   | 26  | -   |
|   | Jiangxi Province                 | 11  | -   |
|   | Xinjiang Uygur Autonomous Region | 10  | -   |
|   | Shandong Province                | 7   | -   |
|   | Beijing Municipality             | 6   | -   |
|   | Henan Province                   | 4   | -   |
|   | Guangxi Province                 | 3   | -   |
|   | Jilin Province                   | 2   | -   |
|   | Guizhou Province                 | 2   | -   |
|   | Hebei Province                   | 1   | -   |
|   | Hubei Province                   | 1   | -   |
| Canada  |                                  | 2*  |   |
| Hong Kong   |                                  | 13*   |   |
| Malaysia  |                                  | 1*  | -   |
| Taiwan  |                                  | 4*  | -   |

\* All cases imported from Mainland China

**Table 5. Outside Hong Kong: Confirmed human cases of avian influenza A infections other than avian influenza A(H5N1 / H7N9) reported in the past 6 months**

|   | Place of occurrence   | No. of cases (No. of deaths) | Details   |
|---|-----------------------|------------------------------|---|
| <b>In this reporting period</b>                         | -                     | 0(0)                         |   |
| <b>Previously reported cases (in the past 6 months)</b> | <b>Mainland China</b> | 1(1)                         | <b>Avian influenza A(H5N6):</b><br>▫ <b>Yunnan Province:</b> A 37-year-old woman reported on July 11, 2015 <sup>i</sup>                                     |
|   | <b>Egypt</b>          | 2(0)                         | <b>Avian influenza A(H9N2):</b><br>▫ <b>Cairo governorate:</b> A seven-year-old girl and a nine-month-old baby girl reported on June 23, 2015 <sup>ii</sup> |
|   | <b>Bangladesh</b>     | 1(0)                         | <b>Avian influenza A(H9N2):</b><br>▫ <b>Bangladesh:</b> A 3.5-year-old girl reported on September 4, 2015 <sup>iii</sup>                                    |

**Table 6. Hong Kong: Confirmed reports of avian influenza A(H5) or avian influenza A(H7N9) in poultry / wild birds since 2014**

|                                 | No. of reports of H5 in poultry / wild birds | No. of reports of H7N9 in poultry / wild birds | Details |
|---------------------------------|--|--|---------|
| <b>In this reporting period</b> | 0  | 0  | -       |
| <b>Cumulative since 2014</b>    | 2 <sup>*</sup>                               | 2 <sup>#</sup>                                 | -       |

\* The Government confirmed on April 9, 2015 that the carcass of a peregrine falcon found at a construction site in Hung Shui Kiu, Yuen Long was tested positive for H5N6 virus.

The Government confirmed that the carcass of an oriental magpie robin found in Sai Kung on April 29, 2015 was tested positive for H5N6 virus.

# The Government confirmed on January 27, 2014 that a number of samples from a batch of live chickens imported from a registered poultry farm in Shunde District of Foshan City in Guangdong were tested positive for H7N9 virus.

The Government found on December 30, 2014 a number of samples from a consignment of live chickens from a registered farm in Huicheng District of Huizhou in Guangdong tested positive for H7N9 virus.

<sup>i</sup> Press release of Department of Health (Date: 11 July 2015)

<sup>ii</sup> The WHO reported two confirmed human cases of avian influenza A(H9N2) in Egypt in the Monthly Risk Assessment Summary in June.

<sup>iii</sup> The WHO reported one confirmed human case of avian influenza A(H9N2) in Bangladesh in the Monthly Risk Assessment Summary in September.

**Table 7. Outside Hong Kong: Confirmed avian influenza A(H5), A(H7N9) or other highly pathogenic avian influenza in poultry / wild birds reported in this week**

| Places of occurrence | No. of reports | Details |
|----------------------|----------------|---------|
| -                    | 0              | -       |

For cumulative reports of avian influenza A(H5N1) or A(H7N9) in poultry / wild birds, please refer to the [OIE](#) website.

**Table 8. Confirmed human cases of avian influenza A(H5N1) reported to WHO / NHFPC since 2003 (by onset date) <sup>§</sup>**

|                           | 2003 | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  | 2014  | 2015  | Overall |
|---------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| <b>Cases</b>              | 4    | 46    | 98    | 115   | 88    | 44    | 73    | 48    | 62    | 32    | 39    | 52    | 143   | 844     |
| <b>Deaths</b>             | 4    | 32    | 43    | 79    | 59    | 33    | 32    | 24    | 34    | 20    | 25    | 22    | 42    | 449     |
| <b>Case Fatality Rate</b> | 100% | 69.6% | 43.9% | 68.7% | 67.0% | 75.0% | 43.8% | 50.0% | 54.8% | 62.5% | 64.1% | 42.3% | 29.4% | 53.2%   |

<sup>§</sup> Further breakdown by countries is available at [WHO](#) website

*Table 9.* Countries / areas with documented avian influenza A H5, H7N9 or other highly pathogenic avian influenza cases in the recent 6 months (including infections in humans/birds and relevant environmental samples) (as of November 9, 2015)

| Country/ Area                      | Human cases      |                     | Poultry cases / environmental samples |  | Wild bird cases / others |  |
|------------------------------------|------------------|---------------------|---------------------------------------|--|--------------------------|--|
|                                    | Subtype of virus | Date of last report | Subtype of virus                      | Date of last report (Subtype in this report) | Subtype of virus         | Date of last report (Subtype in this report) |
| Burkina Faso                       | -                | -                   | H5                                    | 09/05/2015 (H5N1)                            | -                        | -  |
| Canada                             | -                | -                   | -                                     | -  | H5                       | 01/05/2015 (H5N8)                            |
| Cote D'Ivoire                      | -                | -                   | H5                                    | 01/09/2015 (H5N1)                            | -                        | -  |
| Egypt                              | H5N1             | 17/07/2015          | Endemic                               | Endemic                                      | -                        | -  |
| Germany                            | -                | -                   | H7N7                                  | 27/07/2015 (H7N7)                            | -                        | -  |
| Ghana                              | -                | -                   | H5                                    | 22/10/2015 (H5N1)                            | -                        | -  |
| Hong Kong                          | -                | -                   | -                                     | -  | H5                       | 05/05/2015 (H5N6)                            |
| India                              | -                | -                   | H5                                    | 19/05/2015 (H5N1)                            | -                        | -  |
| Indonesia                          | -                | -                   | Endemic                               | Endemic                                      | -                        | -  |
| Iran                               | -                | -                   | H5                                    | 15/06/2015 (H5N1)                            | -                        | -  |
| Israel                             | -                | -                   | H5                                    | 20/06/2015 (H5N1)                            | -                        | -  |
| Kazakhstan                         | -                | -                   | -                                     | -  | H5                       | 22/05/2015*                                  |
| Laos                               | -                | -                   | H5                                    | 08/10/2015 (H5N6)                            | -                        | -  |
| Mainland China                     |                  |                     |                                       |  |                          |  |
| Anhui                              | H7N9             | 12/06/2015          | -                                     | -  | -                        | -  |
| Beijing                            | H7N9             | 12/06/2015          | -                                     | -  | -                        | -  |
| Fujian                             | H7N9             | 12/06/2015          | -                                     | -  | -                        | -  |
| Guangdong                          | -                | -                   | H5                                    | 14/08/2015 (H5N6)                            | -                        | -  |
| Guizhou                            | -                | -                   | H5                                    | 19/06/2015 (H5N1)                            | -                        | -  |
| Inner Mongolia                     | -                | -                   | -                                     | -  | H5                       | 22/07/2015 (H5N1)                            |
| Jiangsu                            | H7N9             | 12/06/2015          | H5                                    | 14/08/2015 (H5N2)                            | -                        | -  |
| Jiangxi                            | H7N9             | 02/05/2015          | -                                     | -  | -                        | -  |
| Qinghai                            | -                | -                   | -                                     | -  | H5                       | 17/07/2015 (H5N1)                            |
| Shanghai                           | H7N9             | 11/06/2015          | -                                     | -  | -                        | -  |
| Tibet Autonomous Region            | -                | -                   | -                                     | -  | H5                       | 22/07/2015 (H5N1)                            |
| Yunnan                             | H5N6             | 11/07/2015          | -                                     | -  | -                        | -  |
| Zhejiang                           | H7N9             | 13/10/2015          | -                                     | -  | -                        | -  |
| Myanmar                            | -                | -                   | H5                                    | 15/05/2015 (H5N1)                            | -                        | -  |
| Nigeria                            | -                | -                   | H5                                    | 29/10/2015 (H5N1)                            | -                        | -  |
| Palestinian Autonomous Territories | -                | -                   | -                                     | -  | H5                       | 15/10/2015*                                  |
| Republic of Korea                  | -                | -                   | H5                                    | 19/09/2015 (H5N8)                            | -                        | -  |
| Russia                             | -                | -                   | -                                     | -  | H5                       | 21/08/2015 (H5N1)                            |
| Taiwan                             | -                | -                   | H5                                    | 30/10/2015 (H5N2)                            | -                        | -  |
| Turkey                             | -                | -                   | H5                                    | 18/05/2015 (H5N1)                            | -                        | -  |
| United States                      | -                | -                   | H5                                    | 26/06/2015 (H5N2)                            | H5                       | 17/06/2015 (H5N2)                            |
| United Kingdom                     | -                | -                   | H7N7                                  | 13/07/2015 (H7N7)                            | -                        | -  |
| Vietnam                            | -                | -                   | H5                                    | 27/10/2015 (H5N6)                            | H5                       | 03/06/2015 (H5N6)                            |

Sources: WHO, OIE, NHFPC and other official websites

\*without further subtype information

**Table 10. Confirmed human cases of avian influenza A(H5N1) reported to WHO / NHFPC since 2003 (by date of reporting)**

| <b>Country</b> | <b>Cumulative no. of cases<br/>(December 2003 to November 2015)</b> | <b>No. of recent cases<sup>^</sup><br/>(August to November 2015)</b> |
|----------------|---|--|
| Azerbaijan     | 8   | 0  |
| Bangladesh     | 7   | 0  |
| Cambodia       | 56  | 0  |
| Canada         | 1   | 0  |
| China          | 52  | 0  |
| Djibouti       | 1   | 0  |
| Egypt          | 346   | 0  |
| Indonesia      | 199   | 0  |
| Iraq           | 3   | 0  |
| Laos           | 2   | 0  |
| Myanmar        | 1   | 0  |
| Nigeria        | 1   | 0  |
| Pakistan       | 3   | 0  |
| Thailand       | 25  | 0  |
| Turkey         | 12  | 0  |
| Vietnam        | 127   | 0  |
| Overall        | 844   | 0  |

<sup>^</sup> Details of recent cases (August to November 2015) are listed in *Table 11*.

**Table 11. Details of the recent confirmed human cases of avian influenza A(H5N1) reported to WHO / NHFPC (August to November 2015) (Sources: WHO, NHFPC)**

| <b>Date of report</b> | <b>Country</b> | <b>Province / Region</b> | <b>District / City</b> | <b>Sex</b> | <b>Age</b> | <b>Outcome at the time of reporting</b> |
|-----------------------|----------------|--------------------------|------------------------|------------|------------|---|
| -                     | -              | -                        | -                      | -          | -          | -                                       |

**Avian Influenza Report** is a weekly report produced by the Respiratory Disease Office, Centre for Health Protection of the Department of Health. This report highlights global avian influenza activity in humans and birds.