

# Avian Influenza Report

**VOLUME 11, NUMBER 15**

Reporting period: April 5, 2015 – April 11, 2015 (Week 15)  
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## 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 April 11), 89 cases were reported by WHO\* and four additional cases were reported by NHFPC.
3. Since the previous issue of Avian Influenza Report, 13 human cases of avian influenza A(H7N9) with onset of symptoms between February 14 and March 21 were reported by the National Health and Family Planning Commission (NHFPC). The cases were from Zhejiang (10), Fujian (2) and Shandong (1). Since March 2013 (as of April 13, 2015), there were a total of 653 cases reported globally. In the third wave since November 2014 (as of April 13, 2015), 193 cases have been reported in the Mainland.

<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 on March 3, 2015.

## This week's highlights

(as of April 13, 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)**

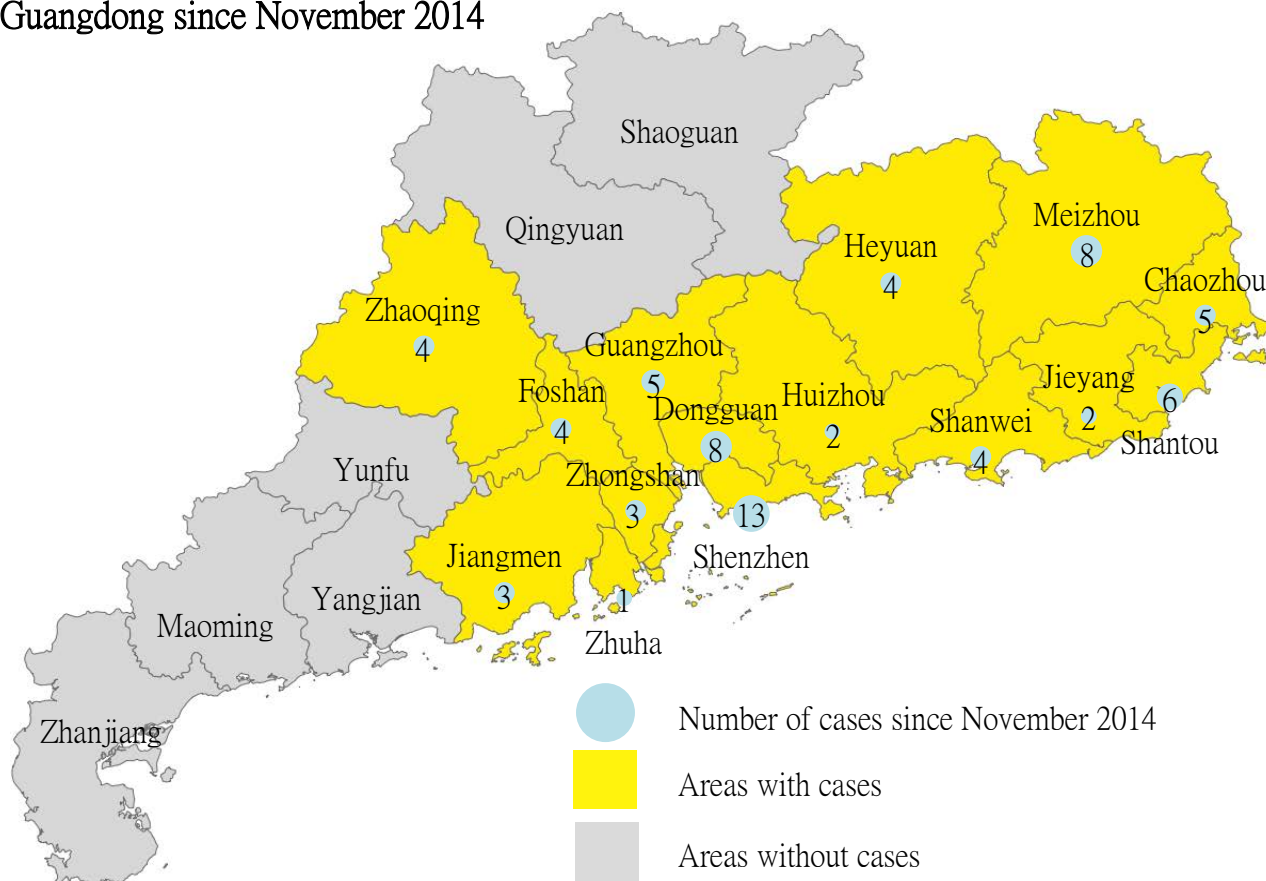
|                                 | <b>Place of occurrence</b> | <b>No. of cases<br/>(No. of deaths)</b> | <b>Details</b> |
|---------------------------------|----------------------------|---|----------------|
| <b>In this reporting period</b> | -                          | 0(0)                     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

For the cumulative no. of human cases by place, please refer to [WHO/WPRO](#) website.

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

|                  | Place of occurrence | No. of cases (No. of deaths) | Province / Region / Municipality | City / District / Area | Age (years) | Sex | Condition at time of reporting | Date of report |
|------------------|---------------------|------------------------------|----------------------------------|------------------------|-------------|-----|--------------------------------|----------------|
| <b>New cases</b> | Mainland China      | 13(3)                        | Zhejiang                         | -                      | 49          | M   | fatal                          | 10/4/2015      |
|                  |                     |                              | Zhejiang                         | -                      | 61          | M   | fatal                          | 10/4/2015      |
|                  |                     |                              | Zhejiang                         | -                      | 65          | M   | stable                         | 10/4/2015      |
|                  |                     |                              | Zhejiang                         | -                      | 51          | F   | fatal                          | 10/4/2015      |
|                  |                     |                              | Zhejiang                         | -                      | 80          | F   | serious                        | 10/4/2015      |
|                  |                     |                              | Zhejiang                         | -                      | 32          | F   | serious                        | 10/4/2015      |
|                  |                     |                              | Zhejiang                         | -                      | 37          | M   | recovered                      | 10/4/2015      |
|                  |                     |                              | Zhejiang                         | -                      | 58          | F   | serious                        | 10/4/2015      |
|                  |                     |                              | Zhejiang                         | -                      | 60          | M   | critical                       | 10/4/2015      |
|                  |                     |                              | Zhejiang                         | -                      | 57          | M   | serious                        | 10/4/2015      |
|                  |                     |                              | Fujian                           | -                      | 57          | M   | critical                       | 10/4/2015      |
|                  |                     |                              | Fujian                           | -                      | 32          | M   | critical                       | 10/4/2015      |
|                  |                     |                              | Shandong                         | -                      | 57          | M   | mild                           | 10/4/2015      |

Geographical distribution of human cases of avian influenza A(H7N9) reported in Guangdong since November 2014



**Table 4. Cumulative numbers of confirmed cases of human infection with avian influenza A(H7N9) since 2013 and since November 2014 respectively**

| <b>Confirmed H7N9 human cases have been reported in the following countries / areas</b> |                                  | <b>Cumulative no. of cases since 2013<br/>(653 cases in total)<br/>(as of April 13, 2015)</b> | <b>Cumulative no. of cases since November 2014<br/>(198 cases in total)<br/>(as of April 13 , 2015)</b> |
|---|----------------------------------|---|---|
| Mainland China  | Guangdong Province               | 181   | 72  |
|   | Zhejiang Province                | 177   | 38  |
|   | Jiangsu Province                 | 73  | 17  |
|   | Fujian Province                  | 61  | 39  |
|   | Shanghai Municipality            | 47  | 6   |
|   | Hunan Province                   | 26  | 2   |
|   | Anhui Province                   | 24  | 7   |
|   | Xinjiang Uygur Autonomous Region | 10  | 7   |
|   | Jiangxi Province                 | 10  | 2   |
|   | Shandong Province                | 7   | 2   |
|   | Beijing Municipality             | 5   | -   |
|   | Henan Province                   | 4   | -   |
|   | Guangxi Province                 | 3   | -   |
|   | Jilin Province                   | 2   | -   |
|   | Guizhou Province                 | 2   | 1   |
|   | Hebei Province                   | 1   | -   |
| Canada  |                                  | 2*  | 2*  |
| Hong Kong   |                                  | 13*   | 3*  |
| 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> | Mainland China      | 2(1)                         | <b>Avian influenza A(H5N6):</b> <ul style="list-style-type: none"> <li>▫ <b>Guangdong Province:</b> A 58-year-old man, reported on December 23, 2014<sup>i</sup></li> <li>▫ <b>Yunnan Province:</b> A 44-year-old man, reported on February 9, 2015<sup>ii</sup></li> </ul> |

**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> | 1  | 0  | Preliminary testing of a peregrine falcon found in Hung Shui Kiu, Yuen Long has returned a positive result for the H5 avian influenza virus. The sick peregrine falcon was found and collected at a construction site on April 9. |
| <b>Cumulative since 2014</b>    | 1  | 2 <sup>#</sup>                                 | -   |

<sup>#</sup> 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> CHP notified by GHFPC of a confirmed human case of avian influenza A(H5N6) in Guangdong.

<sup>ii</sup> CHP notified by NHFPC of a confirmed fatal human case of avian influenza A(H5N6) in Yunnan.

**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 of H5N1 | No. of reports of H5N2 | No. of reports of H5N6 | No. of reports of H7N3 | Details   |
|--|------------------------|------------------------|------------------------|------------------------|---|
| Vietnam,<br>Netherlands<br>Canada,<br>Mexico,<br>United States | 1                      | 3                      | 1                      | 1                      | <p><b>Vietnam:</b> Samples from poultry in Nghe An Province were tested positive for highly pathogenic avian influenza A(H5N6). (OIE, April 6, 2015)</p> <p><b>Vietnam:</b> Samples from poultry in Can Tho City were tested positive for highly pathogenic avian influenza A(H5N1). (OIE, April 9, 2015)</p> <p><b>Netherlands:</b> Samples from poultry in Noord-Brabant Province were tested positive for low pathogenic avian influenza A(H5N2). (OIE, April 7, 2015)</p> <p><b>Canada:</b> Samples from poultry in Ontario Province were tested positive for highly pathogenic avian influenza A(H5N2). (OIE, April 8, 2015)</p> <p><b>Mexico:</b> Samples from poultry in Oaxaca State and Puebla State were tested positive for highly pathogenic avian influenza A(H7N3). (OIE, April 8, 2015)</p> <p><b>United States of America:</b> Samples from poultry in Montana State, Kansas State, Missouri State, South Dakota State and Minnesota State were tested positive for highly pathogenic avian influenza A(H5N2). (OIE, April 8, 2015)</p> |

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    | 46    | 93    | 788     |
| <b>Deaths</b>             | 4    | 32    | 43    | 79    | 59    | 33    | 32    | 24    | 34    | 20    | 25    | 18    | 27    | 430     |
| <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% | 39.1% | 29.0% | 54.6%   |

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

**Table 9. Countries / areas with documented avian influenza A H5N1, H7N9 or other highly pathogenic avian influenza cases in the recent 6 months (including infections in birds/humans and relevant environmental samples)** (Sources: WHO, OIE, NHFPC and official websites; **Blue color: Avian influenza A(H7N9) affected area (may also include other non-H5N1 highly pathogenic avian influenza A); Red color: Avian influenza A(H7N9) and avian influenza A(H5N1) affected area (may also include other non-H5N1 highly pathogenic avian influenza A)**) \* Most recent occurrence in that country / area. (as of April 13, 2015)  
*Italics: Not listed as an affected area because the case was imported.*

| Country/ Area                    | Date of last report | Human cases               | Poultry cases/<br>environmental samples | Wild bird cases/<br>others |
|----------------------------------|---------------------|---------------------------|---|----------------------------|
| Bulgaria                         | 26/03/2015          | N                         | Y <sup>iii</sup>                        | Y* <sup>iv</sup>           |
| Burkina Faso                     | 01/04/2015          | N                         | Y* <sup>v</sup>                         | N                          |
| Canada                           | 08/04/2015          | Y <sup>vi</sup>           | Y* <sup>vii</sup>                       | N                          |
| Egypt                            | 03/03/2015          | Y* <sup>viii</sup>        | Endemic                                 | N                          |
| Germany                          | 26/01/2015          | N                         | Y* <sup>ix</sup>                        | Y <sup>x</sup>             |
| Hong Kong                        | 10/04/2015          | Y <sup>xi</sup>           | Y <sup>xii</sup>                        | Y* <sup>xiii</sup>         |
| Hungary                          | 25/02/2015          | N                         | Y* <sup>xiv</sup>                       | N                          |
| India                            | 25/03/2015          | N                         | Y <sup>xv</sup>                         | Y* <sup>xvi</sup>          |
| Indonesia                        | 27/06/2014          | Y* <sup>xvii</sup>        | Endemic                                 | N                          |
| Israel                           | 12/02/2015          | N                         | Y* <sup>xviii</sup>                     | N                          |
| Italy                            | 16/12/2014          | N                         | Y* <sup>xix</sup>                       | N                          |
| Japan                            | 20/02/2015          | N                         | Y <sup>xx</sup>                         | Y* <sup>xxi</sup>          |
| Netherlands                      | 03/12/2014          | N                         | Y* <sup>xxii</sup>                      | N                          |
| Nigeria                          | 02/03/2015          | N                         | Y* <sup>xxiii</sup>                     | N                          |
| Mainland China                   |                     |                           |   |                            |
| Anhui                            | 06/03/2015          | Y* <sup>xxiv</sup>        | Y <sup>xxv</sup>                        | N                          |
| Beijing                          | 18/10/2014          | Y* <sup>xxvi</sup>        | N                                       | N                          |
| Chongqing                        | 24/10/2014          | N                         | Y* <sup>xxvii</sup>                     | N                          |
| Fujian                           | 10/04/2015          | Y* <sup>xxviii</sup>      | Y <sup>xxix</sup>                       | N                          |
| Guangdong                        | 07/03/2015          | Y* <sup>xxx</sup>         | Y <sup>xxxi, xxxii</sup>                | N                          |
| Guangxi Zhuang Autonomous Region | 25/02/2015          | N                         | Y <sup>xxxiii, xxxiv, xxxv</sup>        | Y* <sup>xxxvi</sup>        |
| Guizhou                          | 09/03/2015          | Y* <sup>xxxvii</sup>      | Y <sup>xxxviii, xxxix</sup>             | N                          |
| Heilongjiang                     | 24/10/2014          | N                         | Y* <sup>xl, xli</sup>                   | N                          |
| Hebei                            | 24/10/2014          | N                         | Y* <sup>xlii</sup>                      | N                          |
| Henan                            | 16/01/2015          | N                         | N                                       | Y* <sup>xliii</sup>        |
| Hubei                            | 24/10/2014          | N                         | Y* <sup>xliv, xlv</sup>                 | N                          |
| Hunan                            | 09/03/2015          | Y* <sup>xlvi</sup>        | Y <sup>xlvii</sup>                      | N                          |
| Jiangsu                          | 03/04/2015          | Y <sup>xlviii, xlix</sup> | Y* <sup>l</sup>                         | N                          |
| Jiangxi                          | 09/03/2015          | Y* <sup>li</sup>          | Y <sup>lii</sup>                        | N                          |

- <sup>iii</sup> On 4 February 2015, OIE reported that poultry specimens in Bulgaria tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>iv</sup> On 26 March 2015, OIE reported that a bird specimen in Bulgaria tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>v</sup> On 1 April 2015, OIE reported that a poultry specimens in Burkina Faso tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>vi</sup> On 2 February 2015, the Canadian health authorities reported a second human case of avian influenza A(H7N9). The patient had returned to Canada from Mainland China.
- <sup>vii</sup> On 8 April 2015, OIE reported that poultry samples in Canada were tested positive for highly pathogenic avian influenza A(H5N2).
- <sup>viii</sup> On 3 March 2015, WHO reported additional confirmed human cases of avian influenza A(H5N1) in Egypt.
- <sup>ix</sup> On 26 January 2015, highly pathogenic avian influenza A(H5N8) was reported in birds in Germany.
- <sup>x</sup> On 9 January 2015, OIE reported that bird specimens in Germany tested positive for highly pathogenic avian influenza A(H5N8).
- <sup>xi</sup> On 22 February 2015, CHP confirmed an imported human case of avian influenza A(H7N9) in Hong Kong.
- <sup>xii</sup> On 2 January 2015, OIE reported that samples from live chickens imported from Guangdong were tested positive for avian influenza A(H7N9) in Hong Kong.
- <sup>xiii</sup> On 10 April 2015, the Agriculture, Fisheries and Conservation Department reported that preliminary testing of a peregrine falcon found in Hung Shui Kiu, Yuen Long, has returned a positive result for the H5 avian influenza virus.
- <sup>xiv</sup> On 25 February 2015, OIE reported that poultry specimens in Hungary tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>xv</sup> On 18 March 2015, OIE reported that poultry specimens in India tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>xvi</sup> On 25 March 2015, OIE reported that bird specimens in India tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>xvii</sup> On 27 June 2014, WHO reported a confirmed human case of avian influenza A(H5N1) in Indonesia.
- <sup>xviii</sup> On 12 February 2015, OIE reported that poultry samples in Israel were tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>xix</sup> On 16 December 2014, specimens from poultry in Italy tested positive for highly pathogenic avian influenza A(H5N8).
- <sup>xx</sup> On 20 January 2015, specimens from poultry in Japan tested positive for highly pathogenic avian influenza A(H5N8).
- <sup>xxi</sup> On 20 February 2015, specimen from a wild bird in Japan tested positive for highly pathogenic avian influenza A(H5N8).
- <sup>xxii</sup> On 3 December 2014, OIE reported that poultry specimens in the Netherlands tested positive for avian influenza A(H5N8).
- <sup>xxiii</sup> On 2 March 2015, OIE reported that poultry specimens in Nigeria tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>xxiv</sup> On 6 March 2015, CHP is closely monitoring additional human cases of avian influenza A(H7N9) in Anhui Province.
- <sup>xxv</sup> On 24 October 2014, OIE reported that poultry samples in Anhui Province were tested positive for highly pathogenic avian influenza A(H5N6).
- <sup>xxvi</sup> On 18 October 2014, CHP received notification from NHFPC regarding a human case of avian influenza A(H7N9) in Beijing.
- <sup>xxvii</sup> On 24 October 2014, OIE reported that poultry samples in Chongqing municipality were tested positive for highly pathogenic avian influenza A(H5N6).
- <sup>xxviii</sup> On 10 April 2015, CHP received notification from NHFPC regarding additional human cases of avian influenza A(H7N9) in Fujian Province.
- <sup>xxix</sup> On 24 October 2014, OIE reported that poultry samples in Fujian Province were tested positive for highly pathogenic avian influenza A(H5N6).
- <sup>xxx</sup> On 7 March 2015, CHP received notification from the Health and Family Planning Commission of Guangdong Province regarding additional confirmed human cases of avian influenza A(H7N9) in Guangdong Province.
- <sup>xxxi</sup> On 24 October 2014, OIE reported that poultry samples in Guangdong province were tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>xxxii</sup> On 24 October 2014, OIE reported that poultry samples in Guangdong province were tested positive for highly pathogenic avian influenza A(H5N6).
- <sup>xxxiii</sup> On 24 October 2014, OIE reported that poultry samples in Guangxi Zhuang Autonomous Region were tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>xxxiv</sup> On 24 October 2014, OIE reported that poultry samples in Guangxi Zhuang Autonomous Region were tested positive for highly pathogenic avian influenza A(H5N2).
- <sup>xxxv</sup> On 24 October 2014, OIE reported that poultry samples in Guangxi Zhuang Autonomous Region were tested positive for highly pathogenic avian influenza A(H5N6).
- <sup>xxxvi</sup> On 25 February 2015, OIE reported that tigers in a zoo in Guangxi Zhuang Autonomous Region were tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>xxxvii</sup> On 9 March 2015, CHP received notification from NHFPC regarding an additional human case of avian influenza A(H7N9) in Guizhou Province.
- <sup>xxxviii</sup> On 24 October 2014, OIE reported that poultry samples in Guizhou province were tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>xxxix</sup> On 24 October 2014, OIE reported that poultry samples in Guizhou province were tested positive for highly pathogenic avian influenza A(H5N6).
- <sup>xl</sup> On 24 October 2014, OIE reported that poultry samples in Heilongjiang province were tested positive for highly pathogenic avian influenza A(H5N2).
- <sup>xli</sup> On 24 October 2014, OIE reported that poultry samples in Heilongjiang province were tested positive for highly pathogenic avian influenza A(H5N6).
- <sup>xlii</sup> On 24 October 2014, OIE reported that poultry samples in Hebei province were tested positive for highly pathogenic avian influenza A(H5N6).
- <sup>xliii</sup> On 16 January 2015, OIE reported that bird specimens in Henan province were tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>xliv</sup> On 24 October 2014, OIE reported that poultry samples in Hubei province were tested positive for highly pathogenic avian influenza A(H5N2).
- <sup>xlv</sup> On 24 October 2014, OIE reported that poultry samples in Hubei province were tested positive for highly pathogenic avian influenza A(H5N6).
- <sup>xlvi</sup> On 9 March 2015, CHP received notification from NHFPC regarding additional human cases of avian influenza A(H7N9) in Hunan Province.
- <sup>xlvii</sup> On 6 February 2015, OIE reported that poultry samples in Hunan province were tested positive for highly pathogenic avian influenza A(H5N6).
- <sup>xlviii</sup> On 9 March 2015, CHP received notification from NHFPC regarding additional human cases of avian influenza A(H7N9) in Jiangsu Province.
- <sup>xlix</sup> On 28 January 2015, CHP received notification from NHFPC regarding a human case of avian influenza A(H5N1) in Jiangsu Province.
- <sup>l</sup> On 3 April 2015, OIE reported that poultry samples in Jiangsu province were tested positive for highly pathogenic avian influenza A(H5N6).
- <sup>li</sup> On 9 March 2015, CHP is closely monitoring an additional human case of avian influenza A(H7N9) in Jiangxi.

| Country/ Area                      | Date of last report | Human cases         | Poultry cases/<br>environmental samples | Wild bird cases/<br>others |
|------------------------------------|---------------------|---------------------|---|----------------------------|
| Liaoning                           | 24/10/2014          | N                   | Y* <sup>liii</sup>                      | N                          |
| Ningxia Hui Autonomous Region      | 24/10/2014          | N                   | Y* <sup>liv</sup>                       | N                          |
| Qinghai                            | 24/10/2014          | N                   | Y* <sup>lv</sup>                        | N                          |
| Shandong                           | 10/04/2015          | Y* <sup>lvi</sup>   | N                                       | N                          |
| Shanghai                           | 07/04/2015          | Y* <sup>lvii</sup>  | N                                       | N                          |
| Sichuan                            | 13/03/2015          | Y* <sup>lviii</sup> | N                                       | N                          |
| Tibet Autonomous Region            | 24/10/2014          | N                   | Y* <sup>lix, lx, lxi</sup>              | N                          |
| Xinjiang Uyghur Autonomous Region  | 04/02/2015          | Y* <sup>lxii</sup>  | N                                       | N                          |
| Yunnan                             | 03/04/2015          | Y* <sup>lxiii</sup> | Y <sup>lxiv, lxv</sup>                  | N                          |
| Zhejiang                           | 10/04/2015          | Y* <sup>lxvi</sup>  | Y <sup>lxvii</sup>                      | N                          |
| Mexico                             | 08/04/2015          | N                   | Y* <sup>lxviii</sup>                    | N                          |
| Myanmar                            | 28/02/2015          | N                   | Y* <sup>lix</sup>                       | N                          |
| Palestinian Autonomous Territories | 02/04/2015          | N                   | Y* <sup>lxx</sup>                       | N                          |
| Republic of Korea                  | 13/03/2015          | N                   | Y* <sup>lxxi</sup>                      | N                          |
| Romania                            | 30/03/2015          | N                   | N                                       | Y* <sup>lxxii</sup>        |
| Russia                             | 25/12/2014          | N                   | N                                       | Y* <sup>lxxiii</sup>       |
| Taiwan                             | 02/04/2015          | N                   | Y* <sup>lxxiv</sup>                     | Y <sup>lxxv</sup>          |
| Sweden                             | 20/03/2015          | N                   | N                                       | Y* <sup>lxxvi</sup>        |
| United Kingdom                     | 17/11/2014          | N                   | Y* <sup>lxxvii</sup>                    | N                          |
| United States                      | 08/04/2015          | N                   | Y* <sup>lxxviii</sup>                   | Y* <sup>lxxix</sup>        |
| Vietnam                            | 09/04/2015          | N                   | Y* <sup>lxxx</sup>                      | N                          |

- <sup>lii</sup> On 9 January 2015, OIE reported that poultry samples in Jiangxi province were tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>liii</sup> On 24 October 2014, OIE reported that poultry samples in Liaoning province were tested positive for highly pathogenic avian influenza A(H5N8).
- <sup>liiv</sup> On 24 October 2014, OIE reported that poultry samples in Ningxia Hui Autonomous Region were tested positive for highly pathogenic avian influenza A(H5N2).
- <sup>liv</sup> On 24 October 2014, OIE reported that poultry samples in Qinghai province were tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>lvi</sup> On 10 April 2015, CHP is closely monitoring an additional human case of avian influenza A(H7N9) in Shandong.
- <sup>lvii</sup> On 7 April 2015, CHP is closely monitoring an additional human case of avian influenza A(H7N9) in Shanghai.
- <sup>lviii</sup> On 13 March 2015, CHP is closely monitoring an additional human case of avian influenza A(H5N1) in Sichuan.
- <sup>lix</sup> On 24 October 2014, OIE reported that poultry samples in Tibet Autonomous Region were tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>lx</sup> On 24 October 2014, OIE reported that poultry samples in Tibet Autonomous Region were tested positive for highly pathogenic avian influenza A(H5N2).
- <sup>lxi</sup> On 24 October 2014, OIE reported that poultry samples in Tibet Autonomous Region were tested positive for highly pathogenic avian influenza A(H5N6).
- <sup>lxii</sup> On 4 February 2015, CHP received notification from NHPFC regarding additional human cases of avian influenza A(H7N9) in Xinjiang Uyghur Autonomous Region.
- <sup>lxiii</sup> On 3 April 2015, WHO reported a confirmed human case of avian influenza A(H5N1) in Yunnan, China.
- <sup>lxiv</sup> On 24 October 2014, OIE reported that poultry samples in Yunnan Province were tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>lxv</sup> On 24 October 2014, OIE reported that poultry samples in Yunnan Province were tested positive for highly pathogenic avian influenza A(H5N6).
- <sup>lxvi</sup> On 10 April 2015, CHP was closely monitoring additional human cases of avian influenza A(H7N9) in Zhejiang Province.
- <sup>lxvii</sup> On 24 October 2014, OIE reported that poultry samples in Zhejiang Province were tested positive for highly pathogenic avian influenza A(H5N6).
- <sup>lxviii</sup> On 8 April 2015, OIE reported that poultry samples in Mexico were tested positive for highly pathogenic avian influenza A(H7N3).
- <sup>lxix</sup> On 28 February 2015, OIE reported that samples from poultry in Myanmar were tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>lxx</sup> On 2 April 2015, OIE reported that samples from poultry in the Palestinian Autonomous Territories were tested positive for highly pathogenic avian influenza A(H5).
- <sup>lxxi</sup> On 13 March 2015, highly pathogenic avian influenza A(H5N8) was reported in poultry farms in the Republic of Korea.
- <sup>lxxii</sup> On 30 March 2015, OIE reported that birds in Romania tested positive for highly pathogenic avian influenza A(H5N1).
- <sup>lxxiii</sup> On 25 December 2014, OIE reported that a bird in Russia tested positive for highly pathogenic avian influenza A(H5N8).
- <sup>lxxiv</sup> On 2 April 2015, OIE reported that highly pathogenic avian influenza A(H5N2) was detected in poultry in Taiwan.
- <sup>lxxv</sup> On 17 February 2015, OIE reported that highly pathogenic avian influenza A(H5N2) and A(H5N3) were detected in birds in Taiwan.
- <sup>lxxvi</sup> On 20 March 2015, OIE reported that samples from wild birds in Sweden tested positive for highly pathogenic avian influenza A(H5N8).
- <sup>lxxvii</sup> On 17 November 2014, OIE reported that poultry samples in the United Kingdom tested positive for highly pathogenic avian influenza A(H5N8).
- <sup>lxxviii</sup> On 8 April 2015, OIE reported that poultry samples in the United States tested positive for highly pathogenic avian influenza A(H5N2).
- <sup>lxxix</sup> On 31 March 2015, OIE reported that wild bird samples in the United States tested positive for highly pathogenic avian influenza A(H5N8).
- <sup>lxxx</sup> On 9 April 2015, highly pathogenic avian influenza A(H5N1) was reported in poultry in Vietnam.

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

| <b>Country</b> | <b>Cumulative no. of cases<br/>(December 2003 to April 2015)</b> | <b>No. of recent cases<br/>(January to April 2015)</b> |
|----------------|--|--|
| Azerbaijan     | 8  | 0  |
| Bangladesh     | 7  | 0  |
| Cambodia       | 56   | 0  |
| Canada         | 1  | 0  |
| China          | 52   | 5  |
| Djibouti       | 1  | 0  |
| Egypt          | 292  | 107  |
| Indonesia      | 197  | 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        | 788  | 112  |

**Table 11. Details of the recent confirmed human cases of avian influenza A(H5N1) reported to WHO / NHFPC (January to April 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> |
|-----------------------|----------------|--------------------------|------------------------|------------|------------|---|
| 6/1/2015              | Egypt          | Menia                    | -                      | M          | 26         | Fatal                                   |
| 6/1/2015              | Egypt          | Sohag                    | -                      | F          | 33         | Fatal                                   |
| 6/1/2015              | Egypt          | Sohag                    | -                      | F          | 2          | -                                       |
| 6/1/2015              | Egypt          | Sohag                    | -                      | F          | 1          | -                                       |
| 6/1/2015              | Egypt          | Sohag                    | -                      | M          | 3          | -                                       |
| 6/1/2015              | Egypt          | Assiut                   | -                      | F          | 20         | Fatal                                   |
| 6/1/2015              | Egypt          | Menia                    | -                      | F          | 3          | -                                       |
| 6/1/2015              | Egypt          | Sohag                    | -                      | F          | 42         | -                                       |
| 6/1/2015              | Egypt          | Sohag                    | -                      | M          | 42         | -                                       |
| 6/1/2015              | Egypt          | Aswan                    | -                      | M          | 5          | Fatal                                   |
| 6/1/2015              | Egypt          | Menoufiya                | -                      | F          | 30         | -                                       |
| 6/1/2015              | Egypt          | Menia                    | -                      | F          | 25         | -                                       |
| 6/1/2015              | Egypt          | Cairo                    | -                      | M          | 42         | -                                       |
| 6/1/2015              | Egypt          | Assiut                   | -                      | M          | 51         | -                                       |
| 6/1/2015              | Egypt          | Giza                     | -                      | M          | 3          | -                                       |
| 6/1/2015              | Egypt          | Giza                     | -                      | F          | 6          | -                                       |
| 6/1/2015              | Egypt          | Menoufiya                | -                      | M          | 45         | -                                       |
| 6/1/2015              | Egypt          | Sharkia                  | -                      | F          | 4          | -                                       |
| 26/1/2015             | Egypt          | Menia                    | -                      | M          | 30         | -                                       |
| 26/1/2015             | Egypt          | Menia                    | -                      | M          | 11         | -                                       |
| 26/1/2015             | Egypt          | Qaliyoubia               | -                      | F          | 58         | Fatal                                   |
| 26/1/2015             | Egypt          | Gharbia                  | -                      | F          | 45         | Fatal                                   |
| 26/1/2015             | Egypt          | Cairo                    | -                      | F          | 6          | -                                       |
| 26/1/2015             | Egypt          | Menoufiya                | -                      | F          | 43         | -                                       |
| 26/1/2015             | Egypt          | Aswan                    | -                      | M          | 10         | -                                       |
| 26/1/2015             | Egypt          | Cairo                    | -                      | F          | 20         | -                                       |
| 26/1/2015             | Egypt          | Menoufiya                | -                      | M          | 20         | -                                       |
| 26/1/2015             | Egypt          | Assiut                   | -                      | F          | 65         | Fatal                                   |
| 26/1/2015             | Egypt          | Beheira                  | -                      | M          | 3          | -                                       |
| 26/1/2015             | Egypt          | Menia                    | -                      | M          | 7          | -                                       |
| 26/1/2015             | Egypt          | Menoufiya                | -                      | F          | 27         | -                                       |
| 26/1/2015             | Egypt          | Assiut                   | -                      | F          | 43         | Fatal                                   |
| 26/1/2015             | Egypt          | Sohag                    | -                      | F          | 35         | Fatal                                   |
| 26/1/2015             | Egypt          | Cairo                    | -                      | F          | 3          | -                                       |
| 26/1/2015             | Egypt          | Assiut                   | -                      | F          | 47         | Fatal                                   |
| 26/1/2015             | Egypt          | Cairo                    | -                      | F          | 36         | Fatal                                   |
| 26/1/2015             | Egypt          | Menia                    | -                      | M          | 6          | Fatal                                   |
| 26/1/2015             | Egypt          | Assiut                   | -                      | M          | 3          | Fatal                                   |
| 26/1/2015             | Egypt          | Assiut                   | -                      | M          | 1          | -                                       |

|           |       |            |        |   |      |          |
|-----------|-------|------------|--------|---|------|----------|
| 26/1/2015 | Egypt | Assiut     | -      | F | 1    | -        |
| 26/1/2015 | Egypt | Gharbia    | -      | F | 37   | Fatal    |
| 26/1/2015 | Egypt | Assiut     | -      | M | 5    | Fatal    |
| 28/1/2015 | China | Jiangsu    | Suzhou | F | 37   | Critical |
| 3/3/2015  | Egypt | Gharbia    |        | F | 60   |          |
| 3/3/2015  | Egypt | Matroh     |        | F | 35   | Fatal    |
| 3/3/2015  | Egypt | Sharkia    |        | M | 35   |          |
| 3/3/2015  | Egypt | Sharkia    |        | F | 48   | Fatal    |
| 3/3/2015  | Egypt | Menofiya   |        | M | 32   |          |
| 3/3/2015  | Egypt | Giza       |        | F | 31   | Fatal    |
| 3/3/2015  | Egypt | Menofiya   |        | F | 42   |          |
| 3/3/2015  | Egypt | Cairo      |        | F | 4    |          |
| 3/3/2015  | Egypt | Sharkia    |        | F | 34   |          |
| 3/3/2015  | Egypt | Beheira    |        | F | 16   | Fatal    |
| 3/3/2015  | Egypt | Menia      |        | F | 35   |          |
| 3/3/2015  | Egypt | Menia      |        | F | 47   |          |
| 3/3/2015  | Egypt | Cairo      |        | F | 75   |          |
| 3/3/2015  | Egypt | Cairo      |        | M | 36   |          |
| 3/3/2015  | Egypt | Beheira    |        | F | 19   |          |
| 3/3/2015  | Egypt | Sharkia    |        | F | 42   |          |
| 3/3/2015  | Egypt | Suez       |        | F | 2    |          |
| 3/3/2015  | Egypt | Qaliyoubia |        | F | 3    |          |
| 3/3/2015  | Egypt | Qena       |        | F | 13   |          |
| 3/3/2015  | Egypt | Aswan      |        | M | 47   | Fatal    |
| 3/3/2015  | Egypt | Sharkia    |        | F | 42   |          |
| 3/3/2015  | Egypt | Qaliyoubia |        | M | 3    |          |
| 3/3/2015  | Egypt | Fayoum     |        | F | 3    |          |
| 3/3/2015  | Egypt | Dakahlia   |        | F | 35   |          |
| 3/3/2015  | Egypt | Sohag      |        | M | 44   |          |
| 3/3/2015  | Egypt | Alexandria |        | M | 2. 5 |          |
| 3/3/2015  | Egypt | Giza       |        | F | 1. 6 |          |
| 3/3/2015  | Egypt | Cairo      |        | F | 38   |          |
| 3/3/2015  | Egypt | Qaliyoubia |        | M | 2. 6 |          |
| 3/3/2015  | Egypt | Menia      |        | M | 16   | Fatal    |
| 3/3/2015  | Egypt | Beheira    |        | M | 5    |          |
| 3/3/2015  | Egypt | Menofiya   |        | F | 35   | Fatal    |
| 3/3/2015  | Egypt | Beheira    |        | M | 2    |          |
| 3/3/2015  | Egypt | Assiut     |        | F | 42   |          |
| 3/3/2015  | Egypt | Cairo      |        | M | 42   |          |
| 3/3/2015  | Egypt | Sharkia    |        | M | 39   |          |
| 3/3/2015  | Egypt | Cairo      |        | M | 35   | Fatal    |
| 3/3/2015  | Egypt | Giza       |        | F | 5    |          |
| 3/3/2015  | Egypt | Cairo      |        | F | 2    |          |
| 3/3/2015  | Egypt | Cairo      |        | M | 32   | Fatal    |
| 3/3/2015  | Egypt | Fayoum     |        | F | 22   | Fatal    |
| 3/3/2015  | Egypt | Dakahlia   |        | M | 28   |          |

|           |       |            |          |   |           |           |
|-----------|-------|------------|----------|---|-----------|-----------|
| 3/3/2015  | Egypt | Cairo      |          | F | 4. 5      |           |
| 3/3/2015  | Egypt | Qaliyoubia |          | M | 38        |           |
| 3/3/2015  | Egypt | Qaliyoubia |          | F | 3. 5      |           |
| 3/3/2015  | Egypt | Fayoum     |          | F | 3         |           |
| 3/3/2015  | Egypt | Sharkia    |          | M | 2         |           |
| 3/3/2015  | Egypt | Fayoum     |          | F | 16        | Fatal     |
| 3/3/2015  | Egypt | Menia      |          | M | 2. 5      |           |
| 3/3/2015  | Egypt | Beheira    |          | F | 10 months |           |
| 3/3/2015  | Egypt | Sharkia    |          | F | 3         |           |
| 3/3/2015  | Egypt | Menia      |          | M | 5         |           |
| 3/3/2015  | Egypt | Menia      |          | M | 27        |           |
| 3/3/2015  | Egypt | Damietta   |          | M | 17        |           |
| 3/3/2015  | Egypt | Sharkia    |          | M | 26        |           |
| 3/3/2015  | Egypt | Dakahlia   |          | F | 32        | Fatal     |
| 3/3/2015  | Egypt | Menofiya   |          | F | 32        |           |
| 3/3/2015  | Egypt | Fayoum     |          | M | 34        |           |
| 3/3/2015  | Egypt | Dakahlia   |          | M | 45        | Fatal     |
| 3/3/2015  | Egypt | Sharkia    |          | M | 2         |           |
| 3/3/2015  | Egypt | Dakahlia   |          | F | 20        |           |
| 3/3/2015  | Egypt | Gharbia    |          | F | 46        |           |
| 3/3/2015  | Egypt | Gharbia    |          | F | 18        |           |
| 3/3/2015  | Egypt | Beheira    |          | F | 2         |           |
| 3/3/2015  | Egypt | Menia      |          | M | 1. 5      |           |
| 13/3/2015 | China | Sichuan    | Suining  | M | 46        | Fatal     |
| 23/3/2015 | China | Yunnan     | Kunming  | M | 34        | Serious   |
| 25/3/2015 | China | Yunnan     | Kunming  | M | 17        | Critical  |
| 3/4/2015  | China | Yunnan     | Chuxiong | M | 6         | Recovered |

**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.