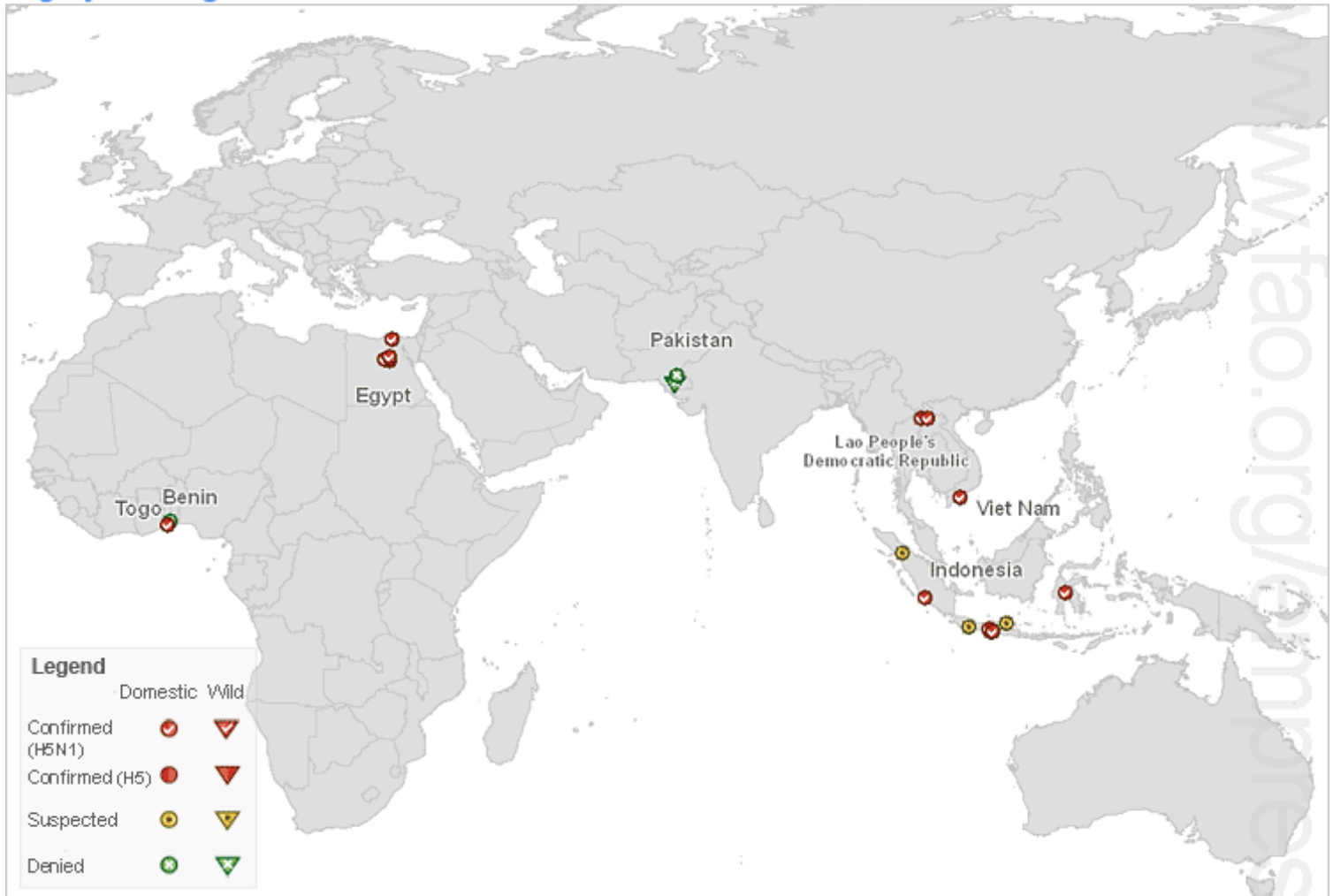


Highly Pathogenic Avian Influenza H5N1 events

25 August - 25 September 2008



Note: A map of the latest 6 months confirmed outbreaks is also available at the end of this document.

WHAT'S NEW in this issue?

AFRICAN REGION

- Benin:** Denied outbreak of HPAI H5N1 in poultry
- Egypt:** Denied H5N1 infection in human
- Egypt:** Confirmed outbreak of HPAI H5N1 in poultry

ASIAN REGION

- Afghanistan:** Denied outbreak of HPAI H5N1 in poultry
- Cambodia:** Negative results from routine surveillance.
- Indonesia:** Confirmed outbreak of HPAI H5N1 in poultry
- Pakistan:** Denied H5N1 infection in wild birds
- Pakistan:** Denied outbreak of HPAI H5N1 in poultry

Note: **updated information is indicated in red**

AFRICAN REGION

Benin

- **OFFICIAL**

24/09/08 - OIE

The HPAI outbreak reported in Lokossa on 29 July 2008 has been denied after testing negative for AI at the FAO/OIE reference laboratory in Padova (Italy) and the WHO collaborative centre for avian influenza Memphis (United States of America). The Veterinary Services of Benin informed the OIE that the outbreak was actually a misdiagnosis.

Egypt

- **OFFICIAL**

24/09/08 - FAO field officer

The human case suspected to be affected by H5N1 infection has been denied (45 years old woman from El Gharbia Governorate, reported in local media).

23/09/08 - FAO field officer

An HPAI outbreak was reported in backyard poultry in Shabsheer El Hassa Village, Tanta District, Al Gharbia Governorate. The 12 chickens affected were four months old and had been vaccinated in August 2008.

17/09/08 - FAO field officer

An HPAI outbreak occurred in chickens and ducks in a sub village Ezbet Mohamed Ali, Dakalm Village, Salamout / Dalkm District, Al Minya Governorate. Under active surveillance program, 18 samples were taken in which two chickens of 7 month old and 9 ducks of 2 months old were positive.

▪ **NON-OFFICIAL****22/09/08 – News: Egyptian Chronicles**

A 45 years old woman from Al Gharbia Governorate was suspected to suffer from H5N1 infection. She is currently in the Hospital waiting for the tests results.

<http://egyptianchronicles.blogspot.com/2008/09/possible-return-of-h5n1.html>

Togo▪ **OFFICIAL****18/09/08 - OIE**

Togo has reported HPAI H5N1 in three modern farms in Agata-Dague. Samples sent to FAO/OIE reference laboratory in Italy were tested positive to virus sequencing. This outbreak has the same location than the previous outbreak of Agbata contained on 31 December 2007.

ASIAN REGION**Afghanistan**▪ **OFFICIAL****23/09/08 - FAO field officer**

The HPAI outbreak in Khost province has been denied after samples were sent to FAO/OIE reference laboratory in Padova (Italy) for testing on 15 September 2008. They tested negative for H5, H7 and Avian Paramyxovirus 1 (APMV1).

Cambodia▪ **OFFICIAL****19/09/08 – UN System**

From 12 to 19 September 2008, the animal health hotline at the National Veterinary Research Institute (NaVRI) received 10 calls from Phnom Penh, Prey Veng, Kandal, Batambang, Kampong Thom and Kampong Cham Provinces asking for information about avian influenza (AI). There was one human AI suspected case, but negative for H5.

12/09/08 - FAO field officer

From 5 to 12 September 2008, NaVRI received 9 samples of different types of sparrows collected by the Wildlife Conservation Society from the Riverside and Wat Phnom Resort in Phnom Penh. The laboratory tests are negative for HPAI H5N1 virus through egg inoculation.

China, Hong Kong SAR▪ **OFFICIAL****18/09/08 - FAO field officer**

In reference to the four-year-old child under suspicion of H5N1 infection, information received from the FAO Field

Office indicates that the boy was tested negative by PCR for H5N1 infection. He has been discharged from the hospital.

▪ **NON-OFFICIAL**

16/09/08 – News: GPHIN ID: 4169217; Provider: Factiva; Source: translation is unavailable

A four-year-old child was suspected to have avian influenza infection and is under treatment in hospital in Hong Kong. The child presented avian influenza symptoms including persistent fever when he was returning with her mother from Mainland China last night, the border service health officials suspected him having contracted H5N1 virus and sent him to hospital for further testing and treatment. The child had been in contact with poultry in the last few days in China.

Indonesia▪ **OFFICIAL****23/09/08 - FAO field officer**

After a suspicion of H5N1 infection in seven persons, an investigation in poultry and human was carried out in Mekar Jaya Village, Bali Indah 1 Sub Village, Mappedeceng Sub District, Luwu Utara District, South Sulawesi Province. The human suspicions turned to be negative after laboratory testing. The ducks and kampong chickens in the same location tested positive by PCR. Birds had been vaccinated in May 2008. No booster was applied since there is prohibition of AI vaccination in the district.

Iraq▪ **OFFICIAL****17/09/08 - FAO field officer**

Iraq reported the laboratory results of their surveillance activities for the month of August 2008. All samples taken were negative [poultry farms (742), backyard poultry (1,335), game and wild birds (178), and markets and slaughterhouses (149)].

Lao People's Democratic Republic▪ **OFFICIAL****14/09/08 - OIE**

The Lao People's Democratic Republic has reported two H5N1 HPAI outbreaks in poultry. The first outbreak started on 28 August 2008 in Fa Village, Nambak, Luang Prabang (Susceptible: 5,422; Cases: 247; Death: 197; Destroyed: 5,225). The second outbreak started on 1 September 2008 in Nalae village, Xay, Oudomyay (Susceptible: 1,170; Cases: 23; Death: 23).

Pakistan▪ **OFFICIAL****23/09/08 - FAO field officer**

The rumors of H5N1 avian influenza infection in wild birds in the coastal areas of Badin have been denied; also it has been reported that there is no HPAI outbreak anywhere in any species at the moment.

▪ **NON-OFFICIAL**

18/09/08 – News: Intelink Avian Influenza Daily Digest; Source: PPI, contributed by email

The rates of poultry products have declined in Thatta, Badin, Hyderabad, Sanghar and other areas due to the rumors of H5N1 avian influenza infection in coastal areas of Badin and adjacent areas. Some dead migratory birds were found in Badin coastal areas.

EUROPEAN REGION

Italy

- **OFFICIAL**

24/09/08 – European Commission

Cloacal swab samples taken from a poultry farm in Concordia Sagittaria Commune, Venezia Province, Veneto Region were tested positive for H5 by RT-PCR. The sequencing result indicated low pathogenic avian influenza (LPAI). No clinical signs found in the poultry (240 chicks, 60 chickens, 242 ducklings and 380 ducks, 12 geese, 12 turkey and 50 guinea fowl) in the farm.

OCEANIAN REGION

New Zealand

- **OFFICIAL**

17/09/08 – Ministry of Agriculture and Forestry (MAF)

A surveillance programme on the presence of avian influenza in New Zealand has found low pathogenic avian influenza (LPAI) H5N1 virus in two samples taken from mallard ducks. Tests indicate that the virus is closely related to viruses found in the past and has been there for some time. The samples were taken from healthy birds and there have been no reported bird deaths or disease in the area since the samples were collected. The full report can be viewed at:

<http://www.maf.govt.nz/mafnet/press/2008/080917low-path-ai-virus.htm>.

SUMMARY OF CONFIRMED H5N1 HPAI OUTBREAKS IN THE AFRICAN REGION

| Country/territory | First outbreak/case | Latest outbreak/case | Affected species | Human cases (cases/deaths) |
|-------------------|--|---|---------------------------------|----------------------------|
| Benin | 07/11/2007 Adjara | 07/11/07 Adjara | domestic poultry | No |
| Burkina Faso | 01/03/06 Gampéla | 20/05/06 Bobo-Dioulasso and Ouagadougou | domestic poultry, wild birds | no |
| Cameroon | 21/02/06 Doualaré à Maroua | 28/03/06 Malape | domestic poultry, wild birds | no |
| Côte d'Ivoire | 31/03/06 Anoumabo | 09/11/06 Abatta | domestic poultry, wild birds | no |
| Djibouti | 06/04/06 Boulaos | 06/04/06 Boulaos | domestic poultry | 1/0 |
| Egypt | 17/02/06 5 districts in Upper Egypt | 18/09/08 Al Gharbia Governorate | domestic poultry, wild birds | 50/22 |
| Ghana | 14/04/07 Kakasunanka | 13/06/07 Afloa | domestic poultry | no |
| Niger | 06/02/06 Magaria | 01/06/06 Boko Maigao | domestic poultry | no |
| Nigeria | 16/01/06 Igabi, Kaduna State | 22/07/08 Katsina and Kano States | domestic poultry, wild birds | 1/1 |
| Sudan | 25/03/06 El Gazira | 04/08/06 South Sudan (Juba) | domestic poultry | no |
| Togo | 06/06/07 Sigbehoue | 09/09/08 Region Maritime | domestic poultry | no |

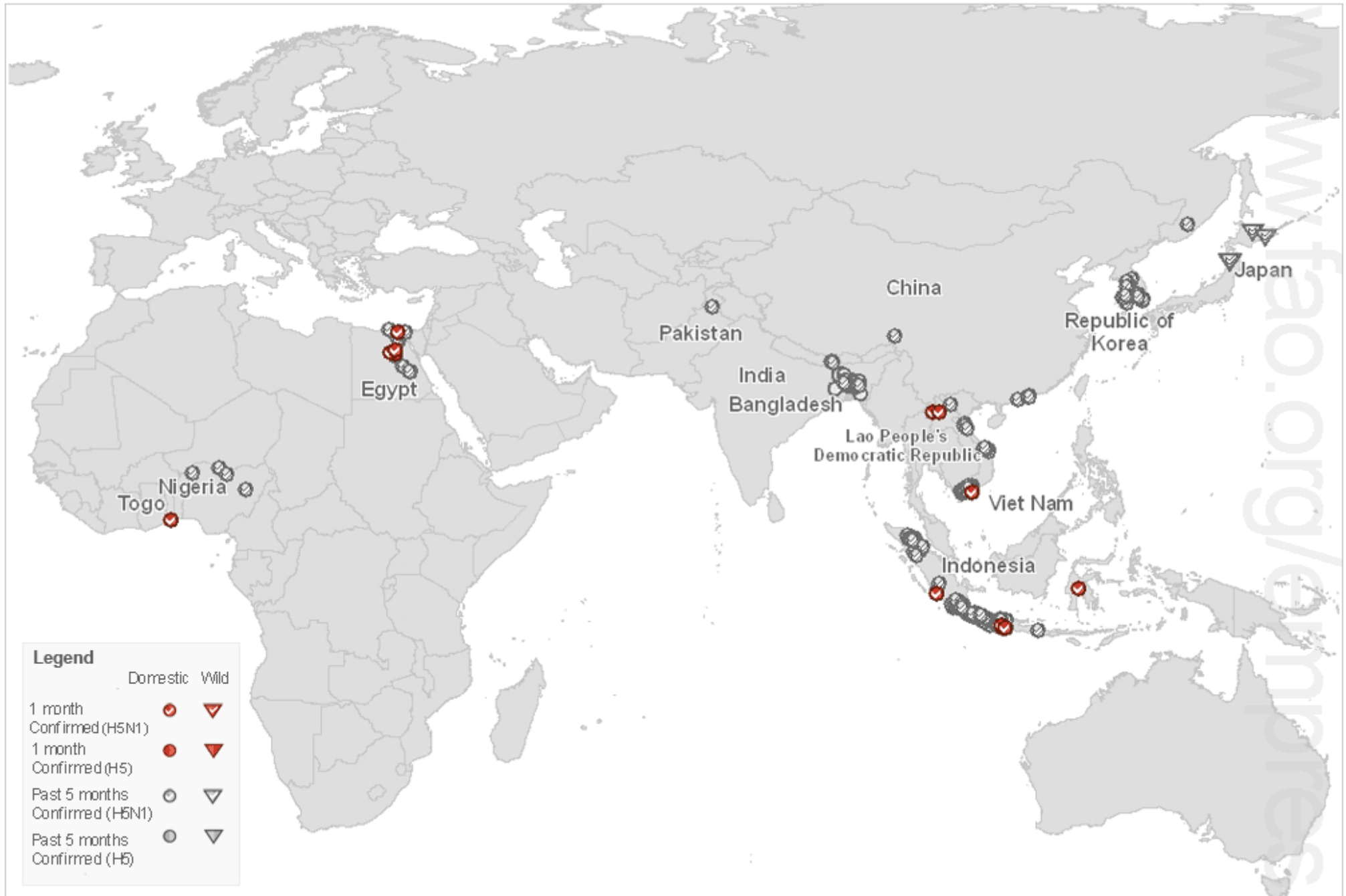
SUMMARY OF CONFIRMED H5N1 HPAI OUTBREAKS IN THE ASIAN REGION

| Country/territory | First outbreak/case | Latest outbreak/case | Affected species | Human cases (cases/deaths) |
|----------------------------------|--|--|--|----------------------------|
| Afghanistan | 02/03/06 Jalalabad | 12/09/07 Kandahar | domestic poultry, wild birds | no |
| Bangladesh | 05/02/07 Savar | 19/05/08 Tangail | domestic poultry | 1/0 |
| Cambodia | 12/01/04 Pong Peay | 06/04/07 Kampong Cham | domestic poultry, wild birds | 7/7 |
| China | 20/01/04 Longan, Guangxi | 13/06/08 Guangdong Province | domestic poultry, wild birds | 30/20 |
| China (Hong Kong SAR) | 19/01/04 Kowloon | 18/11/07* Tuen Mun Park | wild birds, domestic poultry | no |
| India | 27/01/06 Gujarat, Maharashtra | 11/05/08 Darjeeling, West Bengal | domestic poultry | no |
| Indonesia | 02/02/04 Banten | 1 st half of September South Sulawesi Province | domestic poultry | 137/112 |
| Iran | 02/02/06 Espand | 10/12/07 Mazandaran | domestic poultry, wild birds | no |
| Iraq | 18/01/06 Sarkapkan | 01/02/06 Sahat Al-aradate | domestic poultry, wild birds | 3/2 |
| Israel | 16/03/06 En Hasheloshah, Ha Darom | 01/01/08 Haifa | domestic poultry | no |
| Japan | 28/12/03 Ibaraki | 08/05/08 Aomori | domestic poultry, wild birds | no |
| Jordan | 23/03/06 Ajloun governate | 23/03/06 Ajloun governate | domestic poultry | no |
| Kazakhstan | 22/07/05 Aktau | 10/03/06 Vinogradovka | domestic poultry, wild birds | no |
| Kuwait | 09/11/05 Private property, close to the beach | 20/04/07 Wafra Wafra | wild birds, domestic poultry, zoo birds | no |
| Lao People's Democratic Republic | 15/01/04 Ban Nonsavang | 01/09/08 Oudomxay Province | domestic poultry | 2/2 |
| Malaysia | 19/08/04 | 02/06/07 Selangor | domestic poultry, wild birds | no |
| Mongolia | 10/08/05 | 05/06/06 Bulgan | wild birds | no |
| Myanmar | 08/03/06 Mandalay | 23/12/07 Shan State | domestic poultry | 1/0 |
| Pakistan | 23/02/06 Abottabad | 19/06/2008 NWFP | domestic poultry, wild birds | 3/1 |
| Republic of Korea | 10/12/03 Asan | 12/05/08 Kyongsang-Namdo and Kyongsang-Budko | domestic poultry, wild birds | no |
| Saudi Arabia | 12/03/07 Al-Gamma | 29/01/08 Ar Riyad | domestic poultry | no |
| Thailand | 23/01/04 Song-Peenong | 18/01/08 Nakhon Sawan | domestic poultry, wild birds, tigers, leopards | 25/17 |
| Viet Nam | 09/01/04 Ca Mau | 06/09/08 Ben Tre | domestic poultry | 106/52 |
| West Bank and Gaza Strip | 21/03/06 Ghazzah | 02/04/06 Rafa | domestic poultry | no |

* On 11/06/2008 authorities reported that three more environmental samples taken from cages of poultry stalls in three markets were tested positive of the H5N1 avian influenza virus. The three markets were Luen Wo Hui Market in Fanling, Yan Oi Market in Tuen Mun and Ap Lei Chau Market.

SUMMARY OF CONFIRMED H5N1 HPAI OUTBREAKS IN THE EUROPEAN REGION

| Country/territory | First outbreak/case | Latest outbreak/case | Affected species | Human cases (cases/deaths) |
|------------------------|--|---|--|----------------------------|
| Albania | 16/02/06 Alikon | 09/03/06 Peze-Helmes, Tirane | domestic poultry | no |
| Austria | 10/02/06 Bregenz | 22/03/06 Schaerding | wild birds, cats | no |
| Azerbaijan | 02/02/06 Baku, Qaradag | 18/03/06 Banovshalar, Agdam (H5) | wild birds, domestic poultry | 8/5 |
| Bosnia and Herzegovina | 16/02/06 Jajce, Bosnia | 16/02/06 Jajce, Bosnia | wild birds | no |
| Bulgaria | 31/01/06 Widin | 09/02/06 Lake Shabla | wild birds | no |
| Croatia | 21/10/05 Zdenci-Orahovica, Stanica | 24/03/06 Zagreb | wild birds | no |
| Czech Republic | 27/03/06 Hluboka nad Vltavou | 11/07/07 Pardubicky region | wild birds, domestic poultry | no |
| Denmark | 12/03/06 Svino Strand | 26/05/06 Keterminde, Funen | wild birds, domestic poultry | no |
| France | 17/02/06 Joyeux | 09/08/07 Diane-Capelle | wild birds, domestic poultry | no |
| Georgia | 23/02/06 Adlia, Adjaria | 23/02/06: Adlia, Adjaria | wild birds | no |
| Germany | 08/02/06 Wiek, Island of Ruegen | 25/12/07 Brandenburg | wild birds, domestic poultry, cats, stone marten | no |
| Greece | 30/01/06 Katerini | 27/03/06 Thessaloniki, Central Macedonia | wild birds | no |
| Hungary | 04/02/06 Csatalja | 23/01/07 Ordongos | wild birds, domestic poultry | no |
| Italy | 01/02/06 Pizzo, Calabria | 19/02/06 Bruzano, Calabria | wild birds | no |
| Poland | 02/03/06 Torun | 22/12/07 Mazowieckie | wild birds, domestic poultry | no |
| Romania | 07/10/05 Ceamurlia | 07/12/07 Tulcea (H5 in a cat) | wild birds, domestic poultry, Cat | no |
| Russian Federation | 15/07/05 Shatrovo | 08/04/2008 Primorskiy Kray | domestic poultry, wild birds | no |
| Serbia | 28/02/06 Backi Monostor | 16/03/06 Bajina Basta | wild birds, domestic poultry | no |
| Slovakia | 17/02/06 Bratislava | 18/02/06 Dunajska | wild birds | no |
| Slovenia | 09/02/06 Dolgose (H5) | 25/03/06 Zrkovci | wild birds | no |
| Spain | 07/07/06 Alava Province | 07/07/06 Alava Province | wild bird | no |
| Sweden | 28/02/06 Oskarshamn | 26/04/06 Stockholm | wild birds, game birds, mink | no |
| Switzerland | 26/02/06 Geneva | 22/02/08 Oberkirch | wild birds | no |
| Turkey | 01/10/05 Kiziksa (revised) | 09/03/08 Edirne Province | domestic poultry, wild birds | 12/4 |
| Ukraine | 02/12/05 Dzhankoyskiy, Crimea | 11/02/08 Crimea (wild birds) | wild birds, domestic poultry, zoo birds | no |
| United Kingdom | 30/03/06 Anstruther, Scotland | 29/02/08 Dorset, England (wild birds) | domestic poultry, wild birds | no |



CONTACTS

The HPAI Situation Update compiles data on Highly Pathogenic Avian Influenza outbreaks. It is updated every two days, published in PDF format and automatically sent by email to a list of subscribers.

To subscribe to the list and receive an electronic version of the HPAI situation update, please send a message to GLEWS@fao.org

The ECTAD HPAI Situation Update has been prepared by the EMPRES (Emergency Prevention Programme for Transboundary Animal Diseases) / GLEWS (Global Early Warning and Response System for Major Animal Diseases, including Zoonoses) team of the Animal Production and Health Division of the Food and Agriculture Organization of the United Nations.

Additional information, including electronic version of the maps can be found on the EMPRES website: <http://www.fao.org/EMPRES/default.htm>

For further information about HPAI Situation Update please contact the GLEWS team GLEWS@fao.org

DISCLAIMER

FAO compiles information from numerous sources (FAO representatives or country missions, FAO reports, OIE, official government sources, European Commission, FAO reference centres, laboratories and FAO collaborators) and produces these composite maps in a representative effort to provide full and accurate information.

FAO welcomes information to clarify disease or infection occurrence in areas that have not been properly depicted (with supporting documentation to make the required changes based on FAO validation and verification procedures). If you want to share information with GLEWS please send messages to GLEWS@fao.org

MAP: The maps represent occurrences of confirmed or suspected cases of H5 and H5N1 reported over the last month (1st map) and last six months (2nd map). H5 cases are represented for countries where N-subtype characterization is not being performed for secondary cases or when laboratory results are still pending. The original data have been collected and aggregated at the most detailed administrative level.

TEXT: The text represents information obtained within the past 14 days indicating the original date of reporting or publishing of the information. Sources of information are included for easy reference. FAO does not guarantee the accuracy of non-official reports.

TABLES: The outbreaks presented in the tables are referring to the observation date (or the earliest clinical date known) of the first and last occurrence of an outbreak/case in a country. The affected populations refers to all populations ever affected