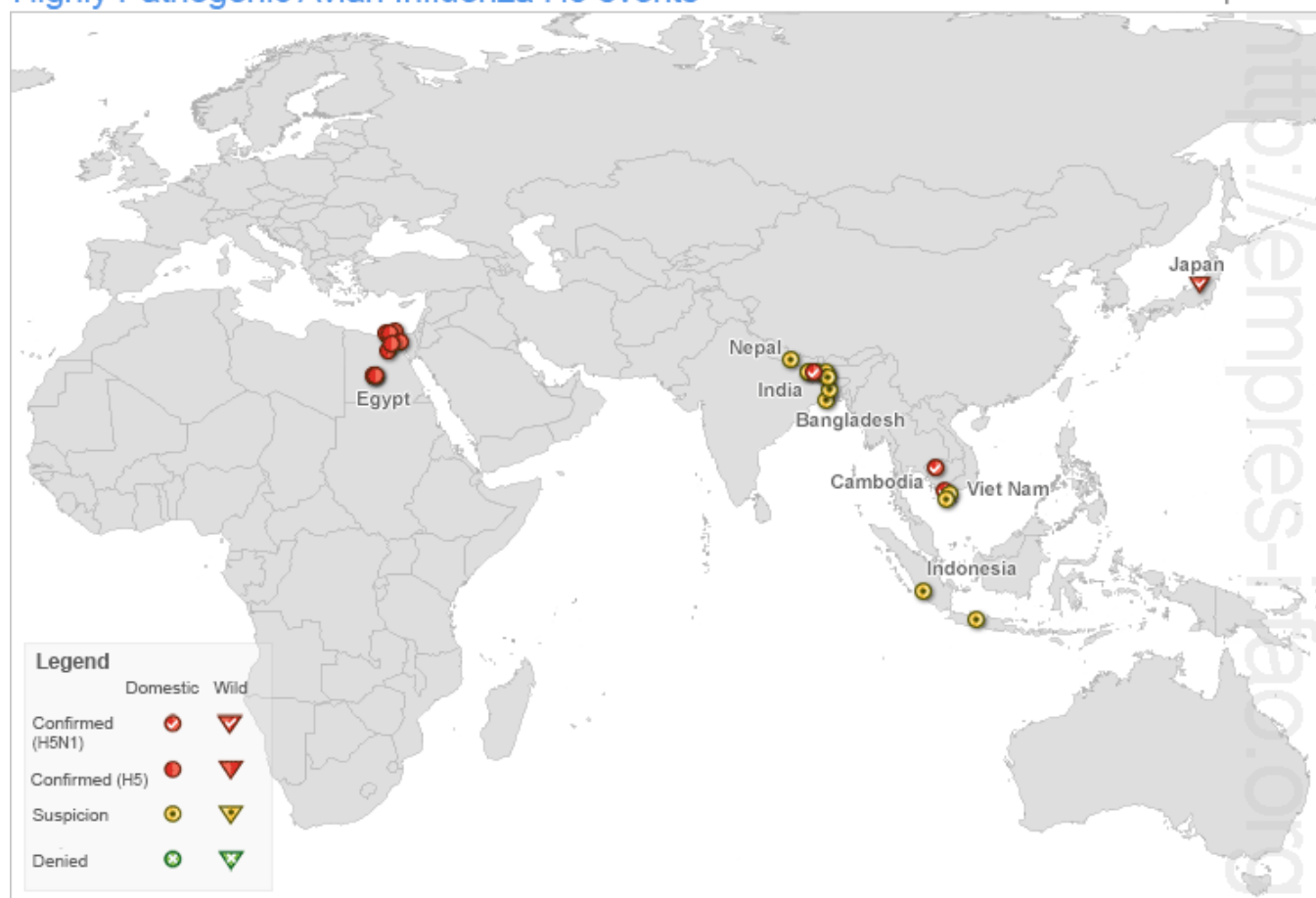


No. 573 | 04 April 2013

Highly Pathogenic Avian Influenza H5 events

04 March - 04 April 2013



Note: A map of H5 HPAI events during the latest six months is shown on the last page.

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

WHAT'S NEW in this issue?

AFRICAN REGION

Egypt

- Confirmed H5 HPAI outbreaks in poultry (Giza and Suez)

ASIAN REGION

Cambodia

- Confirmed H5N1 infection in a human (Kampot)

China

- Confirmed H7N9 avian influenza infection in humans (Anhui, Jiangsu, Shanghai, Zhejiang)
- Confirmed H7N9 avian influenza infection in a pigeon (Shanghai)

Japan

- Confirmed avian influenza A virus infection in a wild bird (Niigata)

Nepal

- Suspected H5N1 HPAI outbreak in poultry (Chitwan)

NOTE: UPDATED INFORMATION IS INDICATED IN RED

AFRICAN REGION

Egypt

OFFICIAL

01/04/13 – Confirmed H5 HPAI outbreaks in poultry, Giza and Suez (FAO Field Officer)

Between 20 and 26 March 2013, two H5 HPAI outbreaks were confirmed in unvaccinated household chickens in Suez (1) and Giza (1) Governorates. The outbreak in the Suez Governorate was reported through passive surveillance while the one in Giza was detected through community-based animal health outreach (CAHO).

26/03/13 – Confirmed H5 HPAI outbreaks in poultry, Damietta and Kafr el-Shiekh (FAO Field Officer)

Between 13 and 21 March 2013, two H5 HPAI outbreaks were detected in unvaccinated household ducks in Damietta and Kafr-el-sheikh Governorates. Both outbreaks were detected through community-based animal health outreach (CAHO).

ASIAN REGION

Bangladesh

NON-OFFICIAL

24/03/2013 - Suspected H5N1 HPAI outbreak in poultry, Rangpur, Lalmonirhat and Gaibandha (media)

Media reports state that a large number of poultry farms have been affected by the HPAI virus in the northern districts, which include Rangpur, Lalmonirhat and Gaibandha, according to the Bangladesh Poultry Industries Association (BPIA) Joint Secretary General. At least 15 farms have been affected by the virus in Rajshahi district, said a farm owner. Another poultry farmer in Rangpur, said already he lost 3 000 Sonali parent [stock] (Pakistani cock) and 600 layer birds because of the seasonal disease." After seeing the symptoms, I suspect the disease is HPAI," he said. There are 60 824 poultry farms in the country, as per the data of the Bangladesh Poultry Khamar Rakkha Jatiya Parishad (BPKRJP), the poultry industry trade group.

<http://www.thefinancialexpress-bd.com/index.php?ref=MjBfMDNfMjRfMTNfMV85MF8xNjQyNTM=>

Cambodia

OFFICIAL

03/04/2013 – Confirmed H5N1 infection in a human, Kampot (FAO Field Officer)

A new case of H5N1 infection was reported in a five-year-old boy from Boeung Tapream Village, Treuy Kors Commune, Kampong Bay District, Kampot Province. The boy who had fever, convulsion and dyspnea was admitted to the hospital on 29 March 2013. The family does not raise chickens or ducks in their households and the child did not have any contact with poultry, however, wild birds have been seen in the area.

http://www.un.org.kh/index.php?option=com_content&view=article&id=621:2012-h5n1-seventhreport&catid=65:avian-influenza-h5n1&Itemid=119

China

OFFICIAL

1 and 3/04/2013 – Confirmed H7N9 avian influenza infection in humans, Anhui, Jiangsu and Shanghai (World Health Organisation – WHO)

On 31 March 2013, the China Health and Family Planning Commission notified the World Health Organization (WHO) of three cases of human infection with influenza A(H7N9) which were laboratory confirmed on 29 March by China CDC. On 3 April 2013, the Commission notified WHO of additional four cases. The cases were reported from Shanghai (2 cases), Anhui Province (1 case) and Jiangsu Province (4 cases). All the cases presented with respiratory tract infection with progression to severe pneumonia and breathing difficulties. Disease onset was between 19 February and 25 March 2013. Two of the cases died, other cases are currently in critical condition. To date no epidemiological link between the cases has been identified. An investigation, including follow-up of contacts, is ongoing. So far, no further cases have been identified among more than 248 identified contacts under follow up. Retrospective investigation is ongoing into two contacts of one of the cases reported from Shanghai. Both of these contacts developed symptoms of influenza-like illness; one died and the other recovered. No laboratory confirmation is available for these two contacts. Investigations into the source of infection and mode of transmission are ongoing. The Chinese government is actively investigating this event and has instituted enhanced surveillance, laboratory strengthening and training of health care professionals for detection, reporting and treatment.

http://www.who.int/csr/don/2013_04_03/en/
http://www.who.int/csr/don/2013_04_01/en/

3/04/2013 – Confirmed H7N9 avian influenza infection in humans, Zhejiang (National Health and Family Planning Commission)

On 3 April 2013, the China Health and Family Planning Commission reported two cases of human infection with influenza A(H7N9) which were laboratory confirmed on 3 April 2013, by China CDC. One died and another patient has been hospitalized.

<http://www.moh.gov.cn/wsb/pdfgzdt/201304/a14ba86d4d9c4f66aeaa7bbb544f19f3.shtml>

04/04/2013 – Confirmed H7N9 avian influenza infection in a pigeon, Shanghai (Ministry of Agriculture)

The Ministry of Agriculture Information Office reported on 4 April 2013, results of ongoing investigations following reports in some provinces of human infection with H7N9 avian influenza recently. The Ministry of Agriculture rapid deployment unit has been organizing an enhanced animal influenza monitoring. On 4 April 2013, the National Avian Influenza Reference Laboratory detected the H7N9 avian influenza virus gene sequence in dove samples sent from Shanghai, which were taken from the Shanghai Huai agricultural and by-products wholesale markets in Songjiang District, and the sequence results show that the strain was a low pathogenicity avian influenza virus, and Was highly homologous to the human isolate(s) of H7N9 avian influenza virus isolates.

http://www.moa.gov.cn/zwl/m/zwdt/201304/t20130404_3424956.htm

Japan

OFFICIAL

30/03/2013 – Confirmed avian influenza A virus infection in a wild bird, Niigata (Ministry of Environment)

A whooper swan (*Cygnus cygnus*), found dead on 15 March 2013, in Motomachi, Mituske City, Niigata Prefecture, tested positive for influenza A virus by a genetic test on 29 March. Samples have been sent to Hokkaido University for further analysis. Investigations conducted in five poultry farms within 10 km radius from the location where the carcass was collected found no abnormality.

http://www.env.go.jp/nature/dobutsu/bird_flu/press/130329a.html
<http://www.pref.niigata.lg.jp/kankyokikaku/1356754683803.html>

Nepal

NON-OFFICIAL

04/04/2013 – Suspected H5N1 HPAI outbreak in poultry, Chitwan (media)

Chickens at the Milan Poultry Farm at Gauriganj, Bharatpur-8, [Chitwan District] were found infected with H5N1 virus near the beginning of April 2013. All the infected chickens at this farm were culled.

<http://ekantipur.com/2013/04/04/national/bird-flu-tracking-mission-in-chitwan/369485.html>

SUMMARY OF CONFIRMED H5N1 HPAI OUTBREAKS IN THE AFRICAN REGION

Country/Territory	First outbreak/case	Last outbreak/case	Affected populations	Human cases (cases/deaths)
Benin	Reported: 07/11/07 Oueme, Adjara	Reported: 15/12/07 Oueme, Avrankou	domestic poultry	
Burkina Faso	Observed: 02/03/06 Reported: 04/03/06 Centre-ouest, Sanguie	Reported: 20/05/06 Centre-ouest, Sanguie	domestic poultry	
Cameroon	Observed: 21/02/06 Reported: 12/03/06 Extreme-Nord, Diamare	Reported: 28/03/06 Nord, Benoue	domestic poultry, wild birds	
Côte d'Ivoire	Observed: 30/03/06 Reported: 25/04/06 Bas Sassandra, Sassandra	Reported: 21/05/07 N'zi Comoe, Daoukro	domestic poultry	
Djibouti	Reported: 24/04/06 Djibouti, Jibuti	Reported: 24/04/06 Djibouti, Jibuti	domestic poultry	1/0
Egypt	Observed: 17/02/06 Reported: 20/02/06 Qina	Observed: 25/03/13 Reported: 26/03/13 Giza	domestic poultry	171/61
Ghana	Reported: 21/04/07 Greater-Accra Region, Tema	Reported: 13/06/07 Volta, Ketu	domestic poultry	
Niger	Observed: 06/02/06 Reported: 27/02/06 Zinder, Magaria	Observed: 02/05/06 Reported: 24/05/06 Maradi, Madarounfa	domestic poultry	
Nigeria	Observed: 16/01/06 Reported: 05/02/06 Kaduna, Igabi	Observed: 22/07/08 Reported: 25/07/08 Kano and Katsina	domestic poultry	1/1
Sudan	Observed: 25/03/06 Reported: 18/04/06 Al Jazeera East, Al Jazeera	Observed: 29/08/06 Reported: 31/08/06 Bahr Al Jabal, Bahr Al Jabal	domestic poultry	
Togo	Observed: 15/06/07 Reported: 22/06/07 Maritime, Lacs	Observed: 16/09/08 Reported: 18/09/08 Maritime, Lacs	domestic poultry	

SUMMARY OF CONFIRMED H5N1 HPAI OUTBREAKS IN THE ASIAN REGION

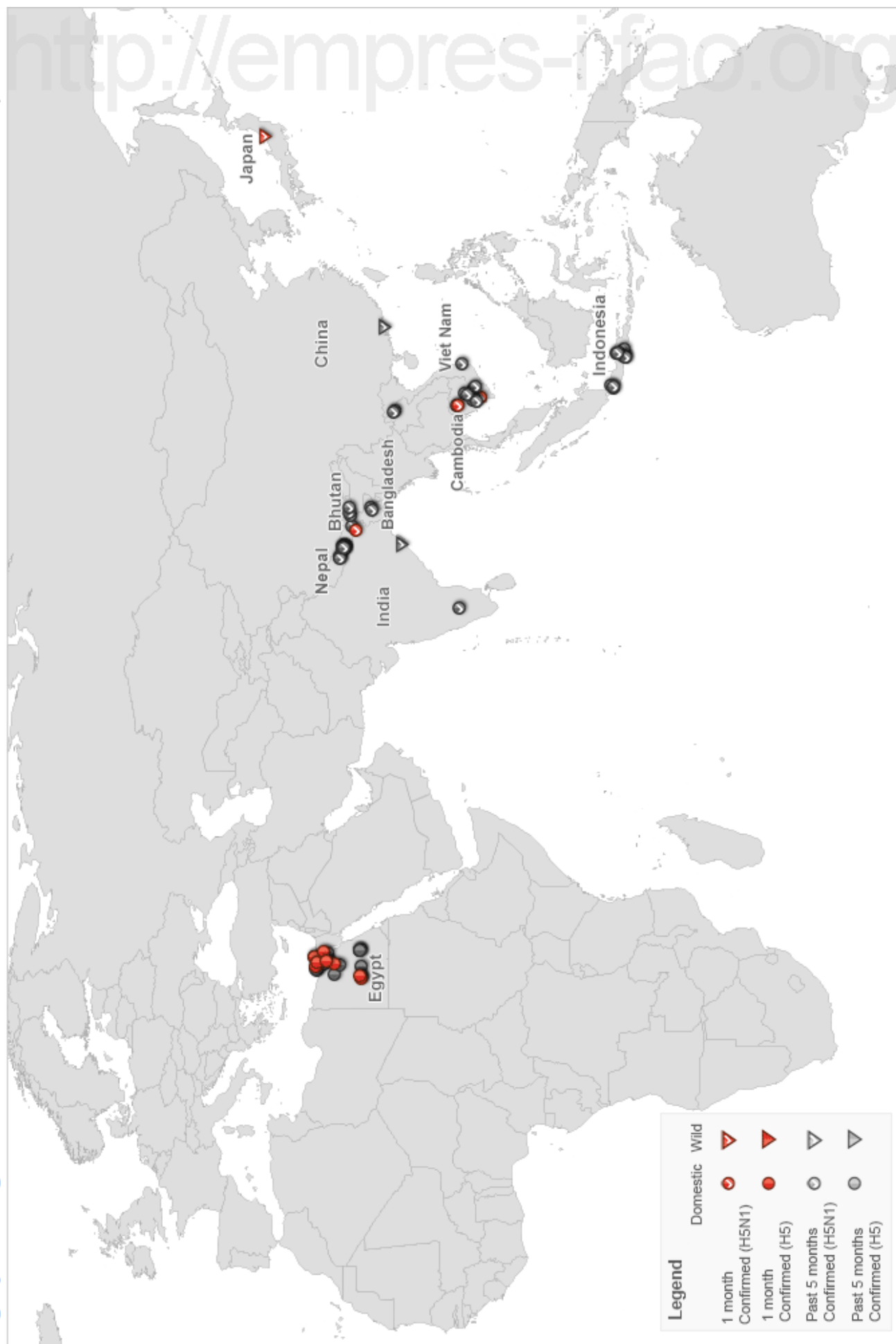
Country/Territory	First outbreak/case	Latest outbreak/case	Affected populations	Human cases (cases/deaths)
Afghanistan	Observed: 02/03/06 Reported: 24/03/06 Nangarhar, Jalalabad	Reported: 12/09/07 Kandahar, Daman	domestic poultry	
Bangladesh	Reported: 22/02/07 Dhaka	Observed: 17/12/12 Reported: 05/02/13 Dhaka	domestic poultry	6/0
Bhutan	Observed: 18/02/10 Reported: 23/02/10 Chhukha	Observed: 9/12/12 Reported: 11/01/13 Dagana	domestic poultry	
Cambodia	Reported: 12/01/04 Phnom Penh, Tuol Kouk	Observed: 23/02/13 Reported: 05/03/13 Siem Reap	domestic poultry, wild birds	30/27
China	Observed: 20/01/04 Reported: 26/01/04 Guangxi Zhuangzu Zizhiqu	Observed: 11/09/12 Reported: 19/09/12 Guangdong	wild birds, domestic poultry	45/30
Hong Kong SAR, China	Observed: 19/01/04 Reported: 26/01/04 Kowloon	Observed: 25/01/13 Reported: 29/01/13 Tuen Mun	wild birds	
India	Observed: 27/01/06 Reported: 20/02/06 Nandurbar, Maharashtra	Observed: 28/02/13 Reported: 08/03/13 Bihar	domestic poultry	
Indonesia	Reported: 02/02/04 Jawa Barat, Lebak	Observed: 28/07/12 Reported: 28/07/12 Aceh	domestic poultry	192/160
Iran (Islamic Republic of)	Observed: 02/02/06 Reported: 07/02/06 Gilan, Somehsara	Observed: 13/09/11 Reported: 13/10/11 Mazandaran	wild birds, domestic poultry	
Iraq	Observed: 18/01/06 Reported: 02/02/06 As Sulaymaniyah, Rania	Observed: 01/02/06 Reported: 10/02/06 Missan, Amara	domestic poultry, domestic mammal	3/2
Israel	Observed: 16/03/06 Reported: 04/04/06 Jerusalem	Observed: 13/03/11 Reported: 15/03/11 HaDarom	domestic mammal, domestic poultry	
Japan	Reported: 28/12/03 Yamaguti, Atootyoo	Observed: 16/03/11 Reported: 17/03/11 Chiba Prefecture	domestic poultry, wild birds	
Jordan	Reported: 23/03/06 Ajloun, Ajloun	Reported: 23/03/06 Ajloun, Ajloun	domestic poultry	
Kazakhstan	Observed: 22/07/05 Reported: 02/08/05 Pavlodarskaya, Irtishskiy	Observed: 10/03/06 Reported: 21/03/06 Mangistauskaya, Aqtau City area	domestic poultry, wild birds	
Kuwait	Reported: 25/02/07 Al Farnawiyah	Reported: 23/04/07 Al Ahmadi	wild birds, domestic poultry, zoo birds	
Lao People's Democratic Republic	Observed: 15/01/04 Reported: 27/01/04 Sayabouri, Boten	Observed: 27/04/10 Reported: 14/05/10 Vientiane	domestic poultry	2/2
Malaysia	Observed: 07/08/04 Reported: 17/08/04 Tumpat, Kelantan	Reported: 02/06/07 Selangor Kuala, Selangor	domestic poultry	
Mongolia	Observed: 02/08/05 Reported: 08/08/05 Hovsgol, Alag-Erdene	Observed: 05/04/11 Reported: 19/04/11 Sukhbaatar	wild birds	
Myanmar	Observed: 08/03/06 Reported: 13/03/06 Mandalay, Meikthila	Observed: 05/03/12 Reported: 16/03/12 Bago	domestic poultry	1/0
Nepal	Observed: 08/01/09 Reported: 16/01/09 Jhapa, Mechi	Observed: 05/02/13 Reported: 18/02/13 Bagmati	domestic poultry	
Pakistan	Reported: 27/02/06 NWFP, Charsadda	Observed: 17/06/08 Reported: 22/06/08 NWFP, Swabi	domestic poultry	3/1
Republic of Korea	Reported: 10/12/03 Chungchongbuk-do	Observed: 16/05/11 Reported: 18/05/11 Gyeonggi-do	domestic poultry, wild birds	
Saudi Arabia	Observed: 10/11/05 Reported: 11/11/05 Eastern Province	Reported: 29/01/08 Riyad	domestic poultry, wild birds	
Thailand	Reported: 23/01/04 Suphanburi, Song Phi Nong	Observed: 10/11/08 Reported: 17/11/08 Uthai Thani, Nong Chang	domestic poultry	25/17
Viet Nam	Observed: 27/12/03 Reported: 09/01/04 Long An	Reported: 28/03/13 Dien Bien, Khanh Hoa, Kien Giang	domestic poultry	123/61
West Bank and Gaza Strip	Reported: 22/03/06 Tubas (Gaza Strip)	Observed: 06/04/11 Reported: 11/04/11 Jericho (West Bank)	domestic poultry, wild bird	

SUMMARY OF CONFIRMED H5N1 HPAI OUTBREAKS IN THE EUROPEAN REGION

Country /Territory	First outbreak/case	Latest outbreak/case	Affected populations	Human cases (cases/deaths)
Albania	Observed: 16/02/06 Reported: 07/03/06 Sarande, Aliko	Observed: 09/03/06 Reported: 24/03/06 Tirane, Peze	domestic poultry	
Austria	Observed: 10/02/06 Reported: 23/02/06 Steiermark, Graz	Observed: 22/03/06 Reported: 27/03/06 Oberosterreich, Perg	wild birds	
Azerbaijan	Observed: 02/02/06 Reported: 03/02/06 Baku	Observed: 18/03/06 Reported: 23/03/06 Tauf	wild birds, domestic poultry	8/5
Bosnia and Herzegovina	Observed: 16/02/06 Reported: 20/02/06 Srednjobosan ski	Observed: 16/02/06 Reported: 20/02/06 Srednjobosan ski	wild birds	
Bulgaria	Observed: 31/01/06 Reported: 04/02/06 Vidin, Vidin	Observed: 29/03/10 Reported: 01/04/10 Varn, Varna	wild birds, domestic poultry	
Croatia	Observed: 21/10/05 Reported: 22/10/05 Virovitica-p odravina	Observed: 24/03/06 Reported: 12/04/06 Grad, Zagreb	wild birds	
Czech Republic	Observed: 25/03/06 Reported: 29/03/06 Jihocesky, Ceske Budejovice	Reported: 11/07/07 Vychodocesky, Usti nad Orlici	wild bird, domestic poultry	
Denmark	Observed: 22/03/06 Reported: 24/04/06 Fyn, Aeroeskoebing	Reported: 18/05/06 Fyn, Kerteminde	wild birds, domestic poultry	
France	Observed: 17/02/06 Reported: 20/02/06 Rhone Alpes, Ain	Reported: 09/08/07 Lorraine, Moselle	wild birds	
Georgia	Observed: 23/02/2006 Reported: 27/03/2006 Ajaria	Observed: 23/02/06 Reported: 27/03/06 Ajaria	wild birds	
Germany	Reported: 06/07/07 Bayern, Mittelfranken	Observed: 10/01/09 Reported: 10/03/09 Bavaria	wild birds, domestic poultry	
Greece	Reported: 30/01/06 Kentriki Makedonia, Pierias	Observed: 04/03/06 Reported: 27/03/06 Kentriki Makedonia, Thessalonikis	wild birds	
Hungary	Reported: 04/02/06 Bacs-kiskun	Reported: 29/01/07 Csongrad	wild birds	
Italy	Observed: 01/02/06 Reported: 11/02/06 Calabria Vibo, Valentia	Reported: 19/02/06 Umbria, Perugia	wild birds	
Poland	Reported: 15/02/06 Pomorskie, Nowy Dwor Gdanski	Reported: 22/12/07 Lodzkie, Poddebice	wild birds, domestic poultry	
Romania	Reported: 07/10/05 Tulcea	Observed: 27/03/10 Reported: 30/03/10 Tulcea	wild birds, domestic poultry, cat	
Russian Federation	Observed: 15/07/05 Reported: 22/07/05 Novosibirskaya Oblast	Observed: 05/06/10 Reported: 25/06/10 Ubsu-Nur, Republic of Tuva	domestic poultry, wild birds	
Serbia	Reported: 28/02/2006 Zapadno-backi	Reported: 15/03/2006 Zlatiborski	wild birds, domestic poultry	
Slovakia	Reported: 17/02/06 Slovakia, Bratislava	Reported: 18/02/06 Slovakia, Trnava	wild birds	
Slovenia	Observed: 09/02/06 Reported: 14/02/06 Podravska, Maribor	Observed: 25/03/06 Reported: 30/03/06 Podravska, Maribor	wild birds	
Spain	Reported: 07/07/06 Pais Vasco, Alava	Reported: 07/07/06 Pais Vasco, Alava	wild birds	
Sweden	Reported: 28/02/06 Kalmar Laen, Oskarshamn	Observed: 26/04/06 Reported: 27/04/06 Stockholms Laen, Haninge	wild birds	
Switzerland	Reported: 26/02/06 Geneve	Observed: 22/03/06 Reported: 28/03/06 Luzern	wild birds	
Turkey	Observed: 05/10/05 Reported: 09/10/05 Balikesir, Manyas	Observed: 09/03/08 Reported: 18/03/08 Edirne, Merkez	domestic poultry, wild birds	12/4
Ukraine	Reported: 02/12/05 Krym	Observed: 11/02/08 Reported: 13/02/08 Krym	wild birds, domestic poultry	
United Kingdom	Observed: 05/04/06 Reported: 06/04/06 Scotland, Central	Reported: 29/02/08 England, Dorsetshire	wild birds, domestic poultry	

Highly Pathogenic Avian Influenza H5 confirmed outbreaks

04 October 2012 - 04 April 2013



CONTACTS

DISCLAIMER

The HPAI Situation Update compiles data on Highly Pathogenic Avian Influenza outbreaks. It is updated weekly, published in PDF format and automatically sent by email to a list of subscribers. We have received many requests to join the *HPAI Situation Update* distribution list. While we highly value the growing interest and wider distribution, it is hard for us to manage the increasing list of contacts. We would therefore appreciate if the contacts in each organisation/country could forward the document to all relevant people within their organisation/country.

The ECTAD HPAI Situation Update has been prepared by the EMPRES (Emergency Prevention Programme for Transboundary Animal Diseases) / GLEWS (Global Early Warning 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 on the outbreaks can be found in EMPRES-i (<http://empres-i.fao.org/>).

Electronic version of the maps can be found on the website at http://www.fao.org/ag/againfo/programmes/en/empres/maps_new.html

For further information about the FAO HPAI Situation Update please contact FAO EMPRES/GLEWS at GLEWS@fao.org

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 relevant information on animal diseases events 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 30 days (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) and reported date of the first and last occurrence of an outbreak/case in a country. The affected populations refer to all populations ever affected. The reported date is the date when the occurrence of a disease has been confirmed by an official source. Outbreak of disease or infection means the occurrence of one or more cases of a disease or an infection in an epidemiological unit.