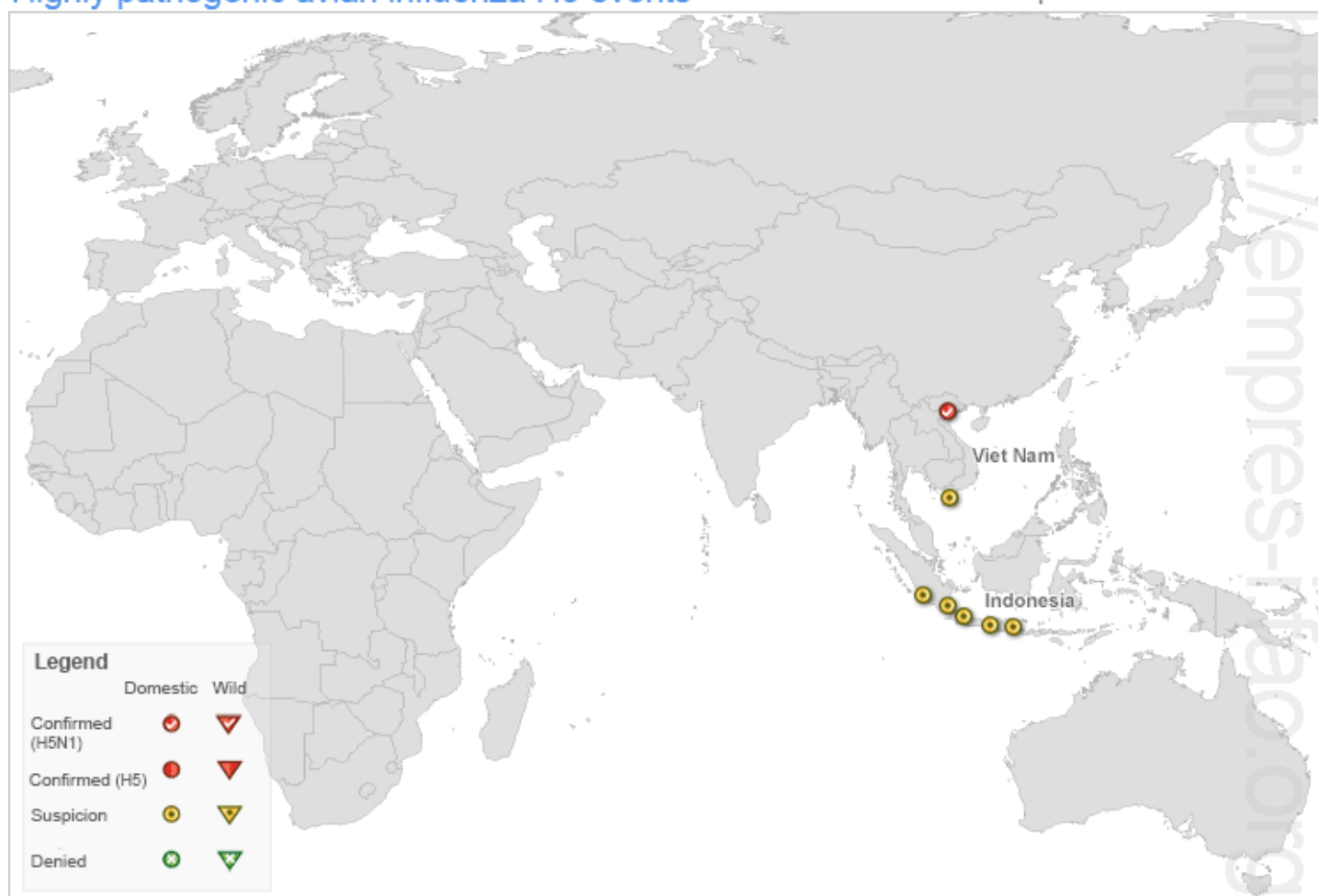


Highly pathogenic avian influenza H5 events

30 September - 31 October 2013



Note: A map of H5 HPAI events during the latest six months is shown on the last page. Information on avian influenza A (H7N9) and other influenza types are not included in this map. **Source:** FAO EMPRES-i <http://empres-i.fao.org/empres-i/home>

The current map still displays only cases of H5 highly pathogenic avian influenza and does not yet cover all relevant cases/outbreaks of Animal Influenza in different species, as we are in a transition phase towards the production of new maps representing relevant animal influenza cases/outbreaks.

WHAT'S NEW in this issue?

ASIAN REGION**Cambodia**

- Confirmed H5N1 infection in humans (Battambang, Kampong Thom)

China

- Confirmed H7N9 infection in a human (Zhejiang)
- Additional information on H7N9 infection in a human (Zhejiang)
- Detection of H7N9 virus in an environmental sample in a market (Zhejiang)
- Isolation of H9N2 from a dog (Guangxi)

Indonesia

- Suspected H5N1 HPAI outbreak in poultry (Lampung)

Republic of Korea

- Suspected H9 LPAI infection in wild bird habitat (Gyeongsangnam-do)

OCEANIAN REGION**Australia**

- Confirmed H7N2 HPAI outbreak in poultry (New South Wales)

NOTE: UPDATED INFORMATION IS INDICATED IN RED

ASIAN REGION**Cambodia****OFFICIAL**

22-23/10/2013 - Confirmed H7N9 infection in humans, Battambang and Kampong Thom (FAO Field Officer, National Authorities and WHO)

H5N1 infection was reported in two humans;

- an eight-year-old female from O-Raing Village, Pung Ror Commune, Baray District in Kampong Thom Province tested positive for human H5N1 avian influenza on 17 October 2013 by the Institut Pasteur du Cambodge. The onset of illness was on 8 October 2013. The girl had come into direct contact with dead poultry when she helped prepare a meal from a chicken that had died earlier;
- a six-year-old female from Romdourl Village, O-Romdourl Commune, Phnom Preuk District, Battambang Province tested positive for H5N1 virus on 24 October 2013 by the Institut Pasteur du Cambodge. The onset of illness was on 14 October 2013.

[http://www.cdcmoh.gov.kh/PressRelease/42-Pressrelease\(English\).pdf](http://www.cdcmoh.gov.kh/PressRelease/42-Pressrelease(English).pdf)
<http://www.wpro.who.int/mediacentre/releases/2013/20131022h5n1/en/index.html>
http://www.cdcmoh.gov.kh/PressRelease/43-Pressrelease_Eg.pdf

China

OFFICIAL

23/10/2013 - Confirmed H7N9 infection in a human, Zhejiang (Chinese Government)

Another human infection of avian influenza A(H7N9) was reported in Zhejiang Province. The patient, a 67-year-old male farmer, lives in Xiuzhou District, Jiaxing City, Zhejiang Province. He first showed influenza symptoms on 16 October 2013; samples from this patient tested positive for the virus by the Zhejiang Provincial Center for Disease Control and Prevention.

http://www.zjwst.gov.cn/art/2013/10/23/art_362_396053.html

25/10/2013 – Additional information on the confirmed H7N9 infection in a human, Zhejiang (Municipality Authorities)

The 67-year-old farmer patient mentioned above was trading live poultry at the east market in Wangjiangjingzhen, Xiuzhou District, Jiaxing City, Zhejiang Province.

http://www.jiaxing.gov.cn/art/2013/10/25/art_21_184713.html

18/10/2013 - Detection of H7N9 virus in an environmental sample in a market, Zhejiang (Municipality Authorities)

H7N9 avian influenza virus was detected in an agriculture market in Sunduanzhen, Shaoxing County, Shaoxing City where [one of] the H7N9 patients (35-year-old male) lives.

http://www.sxws.gov.cn/art/2013/10/18/art_9863_429936.html

NON-OFFICIAL

24/10/2013 – Additional information on confirmed H7N9 infection in a human, Zhejiang (media)

According to the Zhejiang Provincial Health Inspection Testing Center Chief Expert, the sequencing result(s) of the isolate from the human case (35-year-old male) showed >99% homology with the H7N9 avian influenza virus from the spring outbreaks, indicating that the virus did not mutate.

So far, Zhejiang Province has reported a total of 48 human cases of H7N9 avian influenza infection of which: Hangzhou City (30), Huzhou City (12), Jiaxing City (3), Shaoxing City (2) and Wenzhou City (1); farmer [n=19, (39.6%)], retiree [15 (31.3%)], company employees (3), unemployed (4) and other occupations (7); >60 years old [26 (54.2%)], 40-60 years old [13 (27.1%)], and <40 years old (9).

http://www.cdc.zj.cn/bornwcmis/Html/cdc_jk_ptxw/2013-10/21/8aac82ef40e70ce10141da9ff811cc6.html

http://www.zj.xinhuanet.com/newscenter/headlines/2013-10/24/c_117845520.htm

24/10/2013 - Isolation of H9N2 from a dog in Guangxi (Journal)

H9N2 influenza virus was isolated from a dog for the first time and identified as A/Canine/Guangxi/1/2011 (H9N2) (GenBank accession number JN222380–JN222387). Randomly collected dog serum samples from eight pet clinics and 14 counties in Guangxi from early 2010 and late 2011 were 20.21% (92/455) and 28.98% (273/942) H9N2 positive, respectively.

<http://www.sciencedirect.com/science/article/pii/S1567134813003845>

Indonesia

NON-OFFICIAL

26/10/2013 – Suspected H5N1 HPAI outbreak in poultry, Lampung (media)

Farmers in Lampung Timur Regency are vulnerable to avian influenza, said the Head of the Animal Health and Husbandry Department. The disease was first detected in early July 2013 in Tanjungkesuma Village, Purbolinggo District, where 6 000 chickens died suddenly, and then suspected in late September 2013, in Jayaasri Villange, Metrokibang District, when 14 chickens died. The recent outbreak was observed since mid-October; 440 chickens have died in Tambahluhur Village, Purbolinggo District, Lampung Timur Regency, Lampung Province.

<http://news.okezone.com/read/2013/10/26/340/887376/6-000-unggas-di-lampung-timur-mati-terkena-flu-burung>

17/10/2013 - Suspected H5N1 outbreak in poultry, West Java (media)

H5N1 HPAI is suspected in Cibogohilir Peuntas, Cibogohilir Village, Sempur Village in Plered District, Purwakarta Regency, West Java, where about 200 chickens died with clinical signs resembling avian influenza. For the last two weeks there have been many sudden deaths of chickens observed. In the afternoon the chickens were still healthy, but dead by the following morning.

<http://www.republika.co.id/berita/nasional/jawa-barat-nasional/13/10/17/murv31-disnakan-duga-kematian-unggas-akibat-flu-burung>

<http://www.republika.co.id/berita/internasional/global/13/09/16/mt7z41-flu-burung-masih-menjadi-ancaman-serius-manusia>

Republic of Korea

NON-OFFICIAL

30/10/2013 - Suspected H9 LPAI infection in wild bird habitat, Gyeongsangnam-do (media)

The Gyeongsangnam Provincial Office conducted collected bird droppings in Migratory bird fly-in areas in Oeseok-ri, Sangbuk-myeon, Yangsan-si, Gyeongsangnam-do, two samples showed positive reaction for avian influenza (AI) antigen on 29 October 2013. Samples were forwarded to the Animal and Plant Quarantine Agency for advanced testing. The test results showed that it was low pathogenic H9 type of AI virus.

<http://www.dailyvet.co.kr/news/prevention-hygiene/14168>

OCEANIAN REGION

Australia

OFFICIAL

25/10/2013 – Confirmed H7N2 HPAI outbreak in poultry, New South Wales (National authorities and OIE)

A second outbreak of H7N2 HPAI was reported in layer hens in Young, New South Wales. The birds were between 45 and 84 weeks of age. A total of 620 poultry died, out of a susceptible population of 55 000. The farm has been placed under quarantine; movements on and off the property are being controlled.

<http://www.dpi.nsw.gov.au/aboutus/news/all/2013/second-farm-detected>

<http://www.dpi.nsw.gov.au/agriculture/livestock/poultry/health-disease/avian-influenza>

http://www.oie.int/wahis_2/public/wahid.php/Reviewreport/Review?page_refer=MapFullEventReport&reportid=14301

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: 23/09/13 Reported: 25/09/13 Giza	domestic poultry	173/63
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

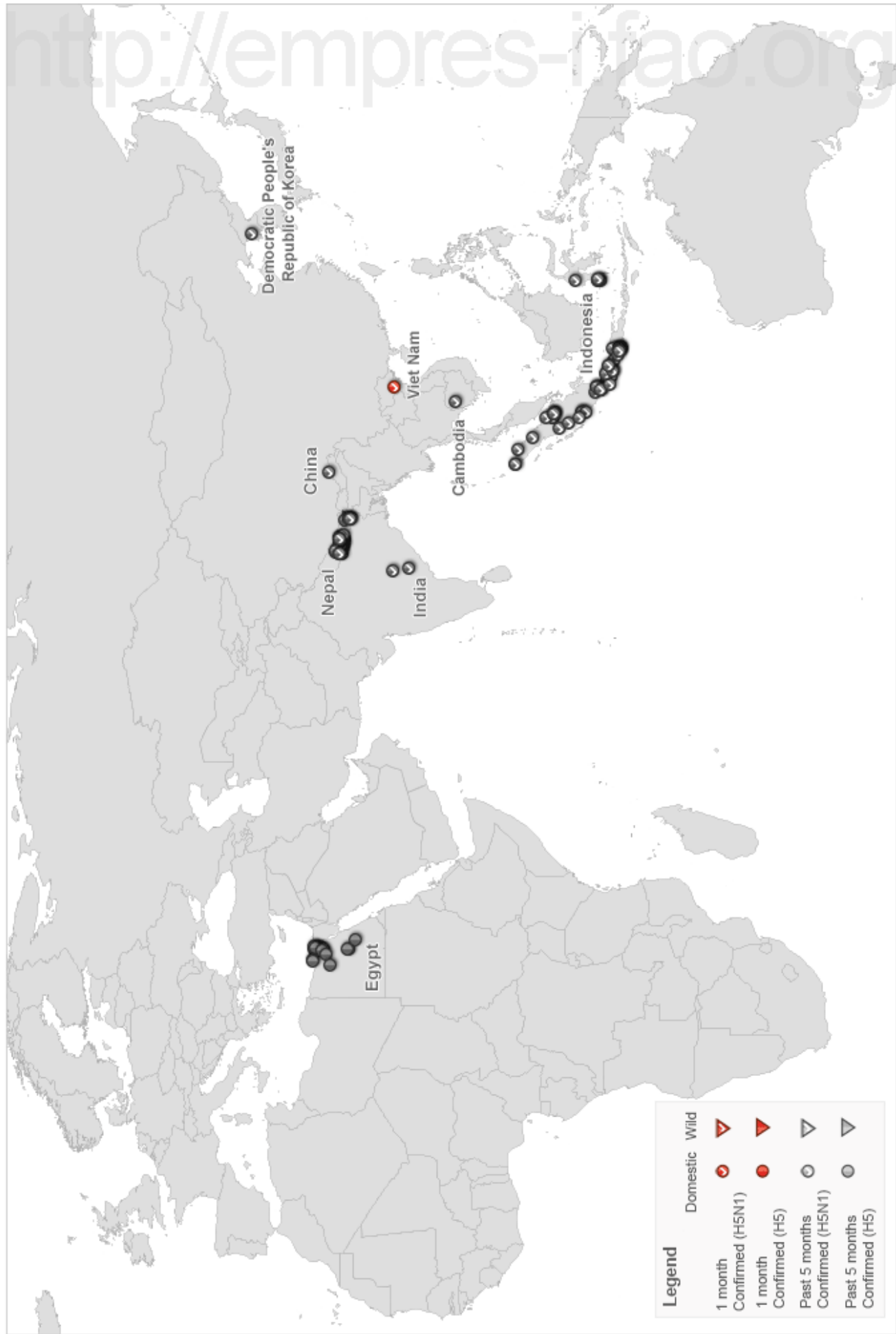
Country/Territory	First outbreak/case	Latest outbreak/case	Affected populations	Human cases (cases/deaths)
Afghanistan	Observed: 02/03/06 Reported: 24/03/06 Nangarhar, Jalalabad	Reported: 12/09/07 Kandahar, Daman	domestic poultry	
Bangladesh	Reported: 22/02/07 Dhaka	Observed: 09/03/12 Reported: 29/04/13 Dhaka	domestic poultry	7/1
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: 12/08/13 Reported: 19/08/13 Battambang	domestic poultry, wild birds	42/30
China	Observed: 20/01/04 Reported: 26/01/04 Guangxi Zhuangzu Zizhiqu	Observed: 13/05/13 Reported: 13/05/13 Tibet	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	
Democratic People's Republic of Korea	Observed: 19/04/13 Reported: 09/05/13 Pyongyang	Observed: 19/04/13 Reported: 09/05/13 Pyongyang	domestic poultry	
India	Observed: 27/01/06 Reported: 20/02/06 Nandurbar, Maharashtra	Observed: 30/07/13 Reported: 05/08/13 Chattisgarh	domestic poultry	
Indonesia	Reported: 02/02/04 Jawa Barat, Lebak	Observed: 19/09/13 Reported: 30/10/13 Riau	domestic poultry	194/162
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: 09/08/13 Reported: 21/09/13 Kathmandu	domestic poultry, wild bird	
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	Observed: 07/10/13 Reported: 13/10/13 Hoa Binh	domestic poultry, wild birds	125/62
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 Srednjebosan ski	Observed: 16/02/06 Reported: 20/02/06 Srednjebosan 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: 23/02/06 Reported: 27/03/06 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: 28/02/06 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 events

30 April - 31 October 2013



CONTACTS

DISCLAIMER

The EMPRES Animal Influenza Update compiles data on relevant Animal Influenza cases/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 Animal Influenza 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 EMPRES Animal Influenza 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 influenza cases/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 EMPRES Animal Influenza Situation Update please contact FAO EMPRES/GLEWS at GLEWS@fao.org

Please note: The current maps still display only cases of H5 highly pathogenic avian influenza and do not yet cover all relevant cases/outbreaks of Animal Influenza in different species, as we are in a transition phase towards the production of new maps representing relevant animal influenza cases/outbreaks. The new maps will be included in this Animal Influenza Update in a couple of weeks.

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 information of reports included in this update.

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.