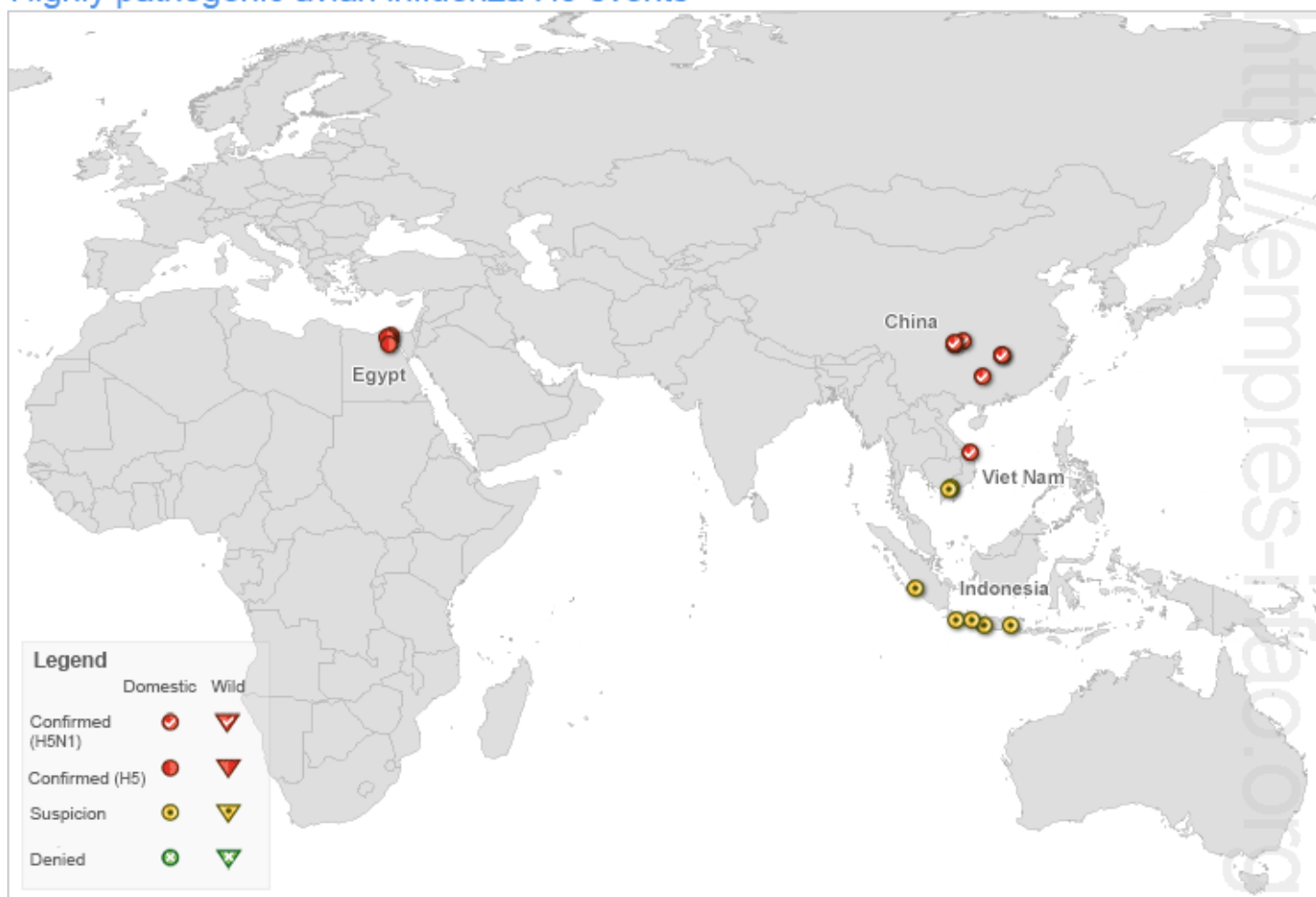


Highly pathogenic avian influenza H5 events

19 November - 19 December 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?

AFRICAN REGION**Egypt**

- Confirmed H5 HPAI outbreak in poultry (Damietta and Giza)

South Africa

- Confirmed H7N7 LPAI outbreak in ostriches (Western Cape Province)
- Confirmed H5N2 LPAI outbreak in ostriches (Western Cape Province)
- Confirmed H7N1 LPAI outbreak in an ostrich (Eastern Cape Province)

ASIAN REGION**China**

- Confirmed H9N2 infection in a human (Hong Kong SAR)
- Confirmed H7N9 infection in humans (Province of Taiwan)
- Additional information on confirmed H7N9 infection in humans (Hong Kong SAR)
- Confirmed H5N2 HPAI outbreak in poultry (Hebei)

Viet Nam

- Suspected H5N1 HPAI outbreak in poultry (Bac Lieu and Thanh Hoa)

NOTE: UPDATED INFORMATION IS INDICATED IN RED

AFRICAN REGION**Egypt****OFFICIAL**

24 & 30/12/2013 – Confirmed H5 HPAI outbreak in poultry in Damietta and Giza (FAO Field Officer)

Between 12 and 17 December 2013, two H5 HPAI outbreaks were detected Damietta and Giza Governorates.

- The outbreak in Damietta was reported in unvaccinated household poultry (chicken and duck) through Community Based Animal Health Outreach (CAHO);
- The outbreak in Giza was reported in unvaccinated household poultry (duck) through active surveillance.

South Africa**OFFICIAL**

23/12/2013 – Confirmed H7N7 LPAI outbreak in an ostrich in Western Cape Province (OIE)

An outbreak of H7N7 LPAI was detected on 8 October 2013 in one ostrich in a commercial ostrich's farm in Oudtshoorn, Western Cape Province.

http://www.oie.int/wahis_2/public/wahid.php/Reviewreport/Review?pa_ge_refer=MapFullEventReport&reportid=14111

23/12/2013 – Confirmed H5N2 LPAI outbreak in ostriches in Western Cape Province (OIE)

Between 9 July 2013 and 2 November 2013 seven outbreaks of H5N2 LPAI were detected in ostriches in Western Cape Province. A total of 2230 ostriches were affected out of a susceptible population of 10 171.

http://www.oie.int/wahis_2/public/wahid.php/Reviewreport/Review?pa_ge_refer=MapFullEventReport&reportid=14112

24/12/2013 – Confirmed H7N1 LPAI outbreak in ostriches in Eastern Cape Province (OIE)

Between 20 October 2013 and 20 November 2013 three outbreaks of H7N1 LPAI were detected in ostriches in Blue Crane Route, Eastern cape Province. A total of 64 ostriches were affected out of a susceptible population of 2 906.

http://www.oie.int/wahis_2/public/wahid.php/Reviewreport/Review?pa_ge_refer=MapFullEventReport&reportid=14564

ASIAN REGION**China****OFFICIAL**

31/12/2013 – Confirmed H7N9 infection in a human, Province of Taiwan (National authorities)

The Centre for Health Protection (CHP) of the Department of Health (DH) noted on 31 December 2013 a confirmed human case of avian influenza A(H7N9) affecting a 86-years old man in the Province of Taiwan. The patient, who lives in Jiangsu Province in Mainland China, travelled to Taiwan on 17 December 2013. He had onset of symptoms including loss of appetite and chest discomfort since 19 December 2013. He sought medical consultation from a local hospital on 24 December 2013. His specimen tested positive for the avian influenza A(H7N9) virus upon testing by the health authority in Taiwan today. He is currently admitted for further management.

<http://www.info.gov.hk/gia/general/201312/31/P201312310793.htm>

30/12/2013 – Confirmed H9N2 infection in a human, Hong Kong SAR (National authorities)

For the first time in four years, Hong Kong health has reported a human case of avian influenza A (H9N2) in an 86-year-old Hong Kong resident living in Shenzhen. He developed chills and cough with sputum since 28 December 2013. He returned to Hong Kong on the same day and was admitted to a North

District Hospital isolation ward. His clinical diagnosis was chest infection. H9N2 is an avian flu subtype that mainly affects ducks and chickens but can also pass to humans, causing mild symptoms. Over the years the H9N2 influenza strain caused illness in several children aged nine months to 5 years in Hong Kong with the latest occurring in December 2009. The patient had no recent poultry contact, consumption of undercooked poultry, or contact with patients. His home contact in Shenzhen is asymptomatic.

http://www.chp.gov.hk/en/view_content/32802.html

<http://www.theglobaldispatch.com/hong-kong-resident-confirmed-positive-for-h9n2-avian-influenza-67197>

21/12/2013 – Confirmed H5N2 HPAI in poultry, Hebei (OIE)

An outbreak of H5N2 HPAi was reported in a poultry farm in Zhuzhuang village, Jiaozhuang, Baoding, Hebei Province. The outbreak started on 21 December 2013 with a total of 4 000 poultry died out of a susceptible population of 129 700. The remaining population was destroyed.

http://www.oie.int/wahis_2/public/wahid.php/Reviewreport/Review?pa_ge_refer=MapFullEventReport&reportid=14553

06, 09, 16, 17, 18 and 19/12/2013 – Confirmed H7N9 infection in a human, Guangdong, Hong Kong, SAR and Zhejiang (National authorities)

- In Hong Kong, SAR, an 80-year-old man resulted positive for H7N9 virus on 6 December 2013. The patient has underlying medical conditions and was hospitalized for chronic illness on 3 December 2013; he had been immediately placed into isolation.
- In Zhejiang a 30-year-old man was officially reported on 6 December 2013 to test positive with H7N9 virus (i.e. fifth confirmed in Zhejiang, since October 2013).

In Guangdong 4 human cases were reported:

- A 38-year-old man who lives in Shenzhen City, Longgang District. He is in critical condition.
- A 62-year-old man who lives in Yangjiang City. He is in critical condition.
- A 39-year old man who lives in Fenggang, Dongguan City, but is registered in Nanchong City, Sichuan Province. 53 close contacts are under observation.
- A 65-year-old woman, retiree from Yangjiang City, Jiangcheng District, is currently in critical condition. The director of prevention and control of infectious diseases reported that before the onset of her illness, she bought some chickens to raise at home.

<http://www.gdwst.gov.cn/a/zwxw/2013121811153.html>

http://www.gdemo.gov.cn/yjdt/gdyjdt/201312/t20131219_190926.htm

http://www.who.int/csr/don/2013_12_17influenza/en/index.html

<http://www.dgwsj.gov.cn/publicfiles/business/htmlfiles/wsj/s1393/20131215187.htm>

<http://www.gdwst.gov.cn/a/zwxw/2013121611143.html>

http://www.zjwst.gov.cn/art/2013/12/6/art_362_399039.htm

<http://www.chp.gov.hk/en/content/599/32510.html>

<http://www.info.gov.hk/gia/general/201312/09/P201312090695.htm>

NON-OFFICIAL

26/12/2013 - Additional information on confirmed H7N9 infection in a human, Hong Kong, SAR (Media)

According to media reports, the 80-year old man previously reported (*Influenza Update of 19 December 2013*) to be infected with the H7N9 strain died on Thursday [26 December 2013], the first such death in the city since the virus emerged there this month. He is the second reported case of H7N9 infection in Hong Kong after one reported on 2 December 2013.

<http://www.tmb.ie/destinations/news.asp?id=192174>

Viet Nam**NON-OFFICIAL**

28/12/2013 – Suspected H5N1 HPAI outbreak in poultry, Bac Lieu (Media)

The Mekong Delta province of Bac Lieu announced an outbreak of H5N1 HPAI on a herd of more than 1,500 ducks Wednesday [25 December 2013]. Tests on several samples of the dead ducks were positive for H5N1 virus. The duck owner in Hong Dan District said he had consulted local animal health officials after members in his two-month-old flock began falling sick and dying recently. His entire flock has been disposed of and the area was sanitized to prevent the virus from spreading. Health authorities have been warning of H5N1 pandemics ahead of the country's biggest holiday Tet, when demand for fowl increases and fuels the smuggling of birds from rural areas to cities. Mekong Delta provinces border Cambodia, where there are currently H5N1 epidemics, and are the main suppliers of fowls to Ho Chi Minh City. H5N1 HPAI returned to several communes in the delta's Tien Giang Province in November, killing hundreds of ducks. The disease was found earlier in farm swiftlets in the south-central province of Ninh Thuan.

<http://www.thanhniennews.com/index/pages/20131226-vietnam-fears-new-strong-flu-virus-strains-as-bird-flu-recurs.aspx>

18/12/2013 – Suspected H5N1 HPAI outbreak in poultry, Thanh Hoa (Media)

On 17 December 2013, according to the Provincial Department of Agriculture and Rural Development in Thanh Hoa, there was an HPAI outbreak in Thanh Hoa city.

<http://vov.vn/Doi-song/Dich-cum-gia-cam-va-lo-mom-long-mong-tai-Thanh-Hoa/299505.vov>

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, Avrancou	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 Basassandra, 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: 17/12/13 Reported: 18/12/13 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

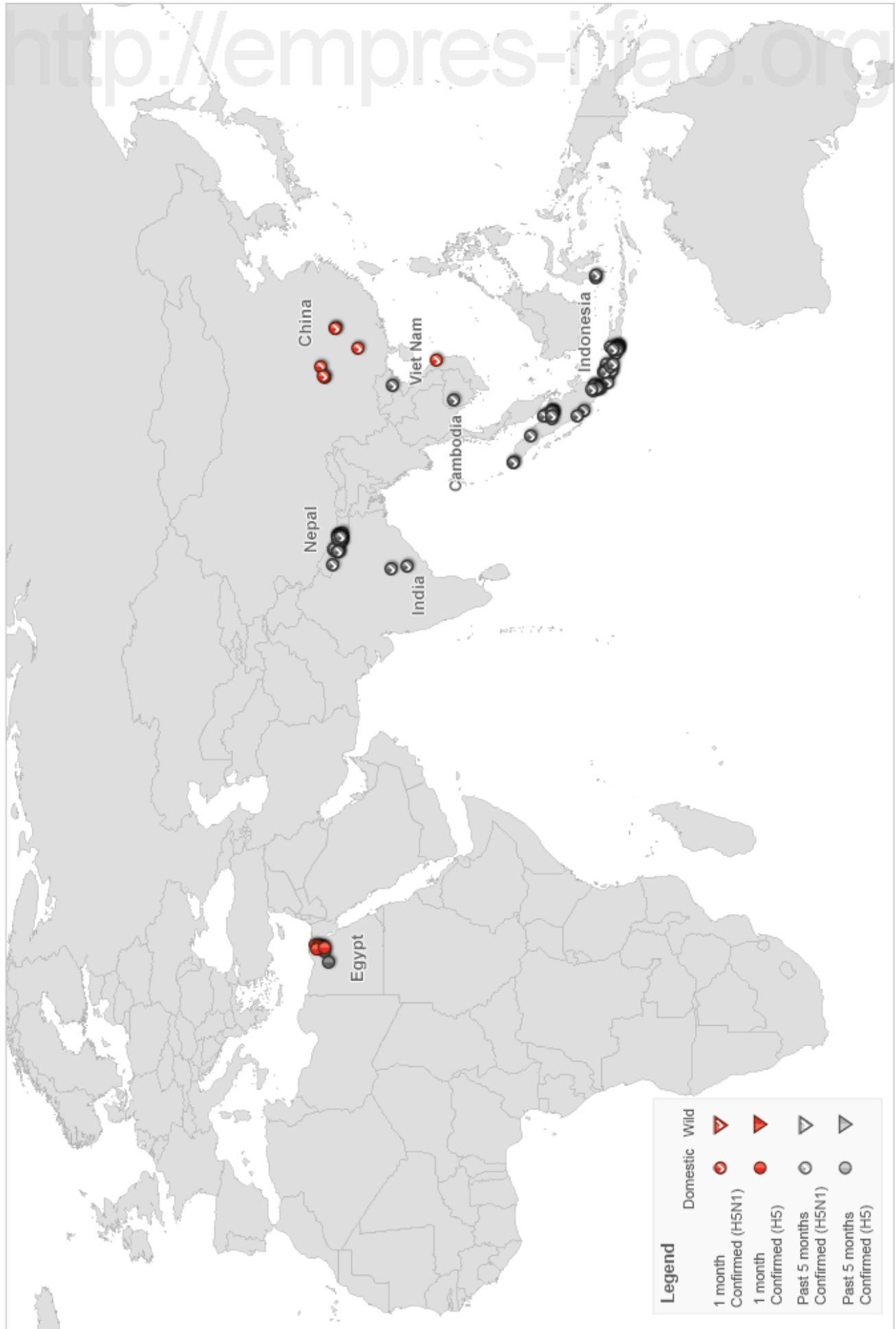
Country/Territory	First outbreak/case	Latest outbreak/case	Affected populations	Human cases (cases/deaths)
Afghanistan	Observed: 02/03/06 Reported: 24/03/06 Nangarhar, Jalalabad	Reported: 12/09/07 Kandahar, Daman	domestic poultry	
Bangladesh	Reported: 22/02/07 Dhaka	Observed: 09/03/12 Reported: 29/04/13 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	47/33
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 Chhattisgarh	domestic poultry	
Indonesia	Reported: 02/02/04 Jawa Barat, Lebak	Observed: 19/09/13 Reported: 30/10/13 Riau	domestic poultry	195/163
Iran (Islamic Republic of)	Observed: 02/02/06 Reported: 07/02/06 Gilan, Someehsara	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, Aotoyoo	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: 14/09/13 Reported: 12/11/13 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	Reported: 02/12/13 Ha Phong Nien	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 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 Rhône 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

19 June - 19 December 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.