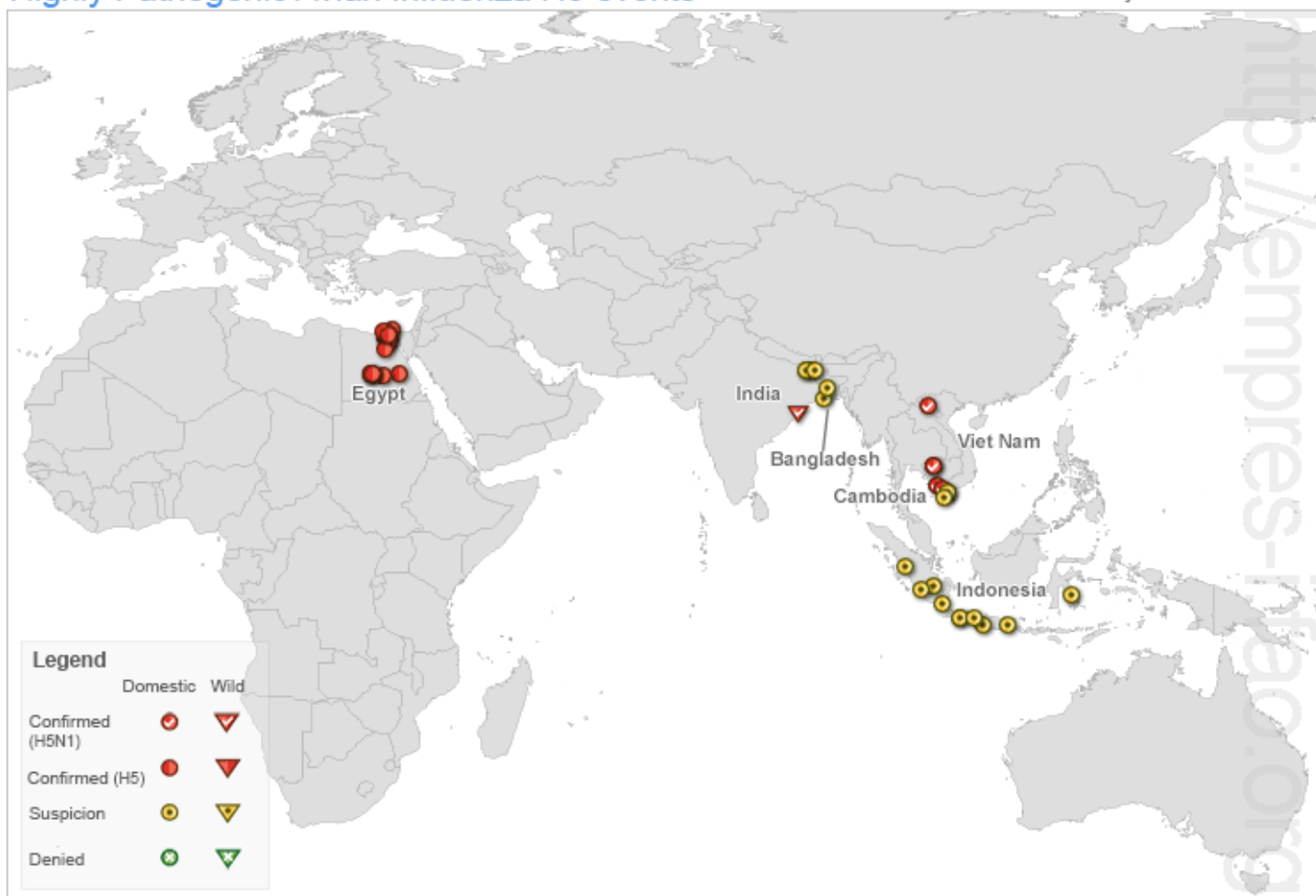


Highly Pathogenic Avian Influenza H5 events

21 February - 21 March 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 (Beni Suef, Dakahlia, Gharbia, Kafr el-Shiekh, New Valley)
- Confirmed H5N1 infection in a human (Menofia)

AMERICAN REGION**Mexico**

- Additional information on confirmed H7N3 HPAI outbreaks in poultry (Guanajuato and Jalisco)

ASIAN REGION**India**

- Additional information on confirmed H5N1 HPAI outbreaks in poultry (Bihar)

Viet Nam

- Suspected H5N1 highly pathogenic avian influenza (HPAI) outbreaks in poultry (Ca Mau)

NOTE: UPDATED INFORMATION IS INDICATED IN RED**AFRICAN REGION****Egypt****OFFICIAL**

19/03/13 – Confirmed H5 HPAI outbreaks in poultry, Beni Suef, Dakahlia, Gharbia, Kafr el-Shiekh, New Valley [Al Wadi/Al Jadid] (FAO Field Officer)

Between 6 and 10 March 2013, five H5 HPAI outbreaks were detected in unvaccinated household poultry (chickens and ducks) in the Beni Suef (1), Dakahlia (1), Gharbia (1), Kafr el-Shiekh (1) and New Valley (Al Wadi/al Jadid) (1) Governorates. The outbreaks in Beni Suef and Kafr el-Shiekh Governorates were detected through community-based animal health outreach (CAHO) and those in Dakahlia, Gharbia and New Valley Governorates were reported through passive surveillance.

19/03/13 – Confirmed H5 HPAI outbreak in a human, Menofia (FAO Field Officer)

A 40-year old female from Bagoor District, Menofia Governorate developed symptoms on 3 March 2013 and tested positive for influenza A (H5N1) virus by RT-PCR at the Central Public Health Laboratories (NIC) on 11 March 2013. Investigations into the source of infection revealed that the

case had close contact with sick and dead backyard poultry (ducks and chickens) a few days before the onset of symptoms. Of the 171 cases confirmed to date in Egypt, 61 have been fatal

12/03/13 – Confirmed H5 HPAI outbreaks in poultry, New Valley [Al Wadi/Al Jadid] (FAO Field Officer)

Between 6 and 12 March 2013, two H5 HPAI outbreaks, both observed on 4 March 2013, were reported in un-vaccinated household poultry (chickens, ducks, geese, and turkeys) in the New Valley Governorate through passive surveillance.

AMERICAN REGION

Mexico

OFFICIAL

05/03/13 – Additional information on confirmed H7N3 HPAI outbreaks in poultry, Guanajuato and Jalisco (Servicio Nacional de Sanidad, Inocuidad y Calidad Agroalimentaria)

The Servicio Nacional de Sanidad, Inocuidad y Calidad Agroalimentaria has reported that since H7N3 HPAI was reported in Guanajuato, 7 613 samples have been collected and the presence of H7N3 HPAI was confirmed on 23 farms and two backyard farms. In Jalisco, the count of 16 affected poultry units remains unchanged. As of 1 March 2013, a total of 2 025 449 broilers in Jalisco, and 1 241 265 hens in Guanajuato, have been culled. So far, more than 18 million birds have been vaccinated, with the priority for vaccination given to the grandparent and parent flocks, which are important for the country's poultry production.

<http://www.senasica.gob.mx/default.asp?IdNot=1384>

ASIAN REGION

Bangladesh

NON-OFFICIAL

8 & 12/03/13 – Suspected H5N1 HPAI outbreaks in poultry, Khulna and Dhaka (media)

In Dhaka Division, more than 1 800 chickens were culled and 400 eggs destroyed following detection of HPAI virus at a poultry farm in Kalyanpur Village, Sadar Upazila, Rajbari District, Dhaka Division on Sunday night [3 March 2013].

In Khulna Division, thousands of chickens suddenly have died in many farms of Dumuria Sub-district, Khulna Division, due to an unknown virus. Also, some illegal traders are selling sick poultry at lower prices in different markets and restaurants. The local government office and livestock office have taken necessary steps to prevent the unknown disease [from spreading] and have prohibited selling sick poultry in local markets.

<http://www.thedailystar.net/beta2/news/bird-flu-affected-chickens-culled-in-rajbari/>
<http://www.promedmail.org/direct.php?id=20130308.1577716>

Cambodia

OFFICIAL

12/03/13 – Additional information on a confirmed H5N1 HPAI outbreak in poultry, Siem Reap (World Organisation for Animal Health - OIE)

The H5N1 HPAI outbreak in a poultry farm in Khnar Thmey Village, Chhreav Commune, Siem Reap District, Siem Reap Province (previously reported in HPAI update n.569 on 7 March 2013) was reported to OIE by the Ministry of Agriculture, Forestry and Fisheries.

http://www.oie.int/wahis_2/public/wahid.php/Reviewreport/Review?page_refer=MapFullEventReport&reportid=13079

India

OFFICIAL

10/03/13 – Additional information on confirmed H5N1 HPAI outbreaks in poultry, Bihar (Department of Animal Husbandry, Dairying & Fisheries)

A total of 33 tissue samples (three chicken carcasses; 10 tracheal, 10 cloacal, five lungs and five intestinal swabs) submitted from the from a District Animal Husbandry Officer, Purnia District, Bihar State to the HSADL, Bhopal, tested positive for H5N1 HPAI by Real-time PCR, RTPCR and Virus Isolation.

<http://dahd.nic.in/dahd/WriteReadData/Weekly%20report%2010.03.2013%20email.pdf>

08/03/13 – Confirmed H5N1 HPAI outbreak in poultry, Bihar (Department of Animal Husbandry, Dairying & Fisheries)

An outbreak of H5N1 HPAI occurred in a regional poultry farm in Lanka Tola Village, Madhubani Block, Purnea District, Bihar State. Out of 7 000 chickens, 338 died and the rest have been destroyed. An intensive surveillance campaign has been launched in 10km radius zone.

<http://www.dahd.nic.in/dahd/WriteReadData/Confirmation%20of%20Avian%20in%20regional%20poultry%20farm%20Purnea%20Bihar.pdf>
http://www.oie.int/wahis_2/public/wahid.php/Reviewreport/Review?page_refer=MapFullEventReport&reportid=13113

08/03/13 – Confirmed H5N1 infection in a wild bird, Orissa (Department of Animal Husbandry, Dairying & Fisheries)

An H5N1 infection in a wild bird in Chilka wildlife division, Balugaon, Khordua, Orissa (previously reported in HPAI update no. 569 on 7 March 2013) was confirmed by the Department of Animal Husbandry, Dairying & Fisheries. Samples taken on 22 January 2013 tested positive for H5N1 by PCR and virus isolation.

[http://www.dahd.nic.in/dahd/WriteReadData/Report%20on%20Notifiable%20Avian%20Influenza%20\(H5%20&%20H7\)%20ending%2003.03.2013.pdf](http://www.dahd.nic.in/dahd/WriteReadData/Report%20on%20Notifiable%20Avian%20Influenza%20(H5%20&%20H7)%20ending%2003.03.2013.pdf) (see page 4)

NON-OFFICIAL

14/03/13 – Suspected H5N1 HPAI outbreak in poultry, Bihar (media)

More than 800 chickens have perished during the last four days in Madhepura District. It was first noticed at Madheli and Jirwa panchayats under Shankerpur Block in the district where chickens perished in some of poultry farms. In addition, over 300 chickens were culled in the Kishanganj District during the last two days. The culling operation continues in the Purnia District [where H5N1 HPAI outbreak was reported to OIE].

<http://timesofindia.indiatimes.com/city/patna/Bird-flu-spreads-to-Madhepura-800-chicken-die/articleshow/18962833.cms>

Viet Nam

NON-OFFICIAL

Suspected H5N1 highly pathogenic avian influenza (HPAI) outbreaks in poultry (Ca Mau)

The Department of Animal Health in the Mekong delta province of Ca Mau said they had sent 96 random samples from poultry markets in the province for testing of H5N1, of which 35 samples proved positive.

<http://www.saigon-gpdaily.com.vn/Health/2013/3/104429/>

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: 08/03/13 Reported: 19/03/13 Kafr el-Shiekh	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

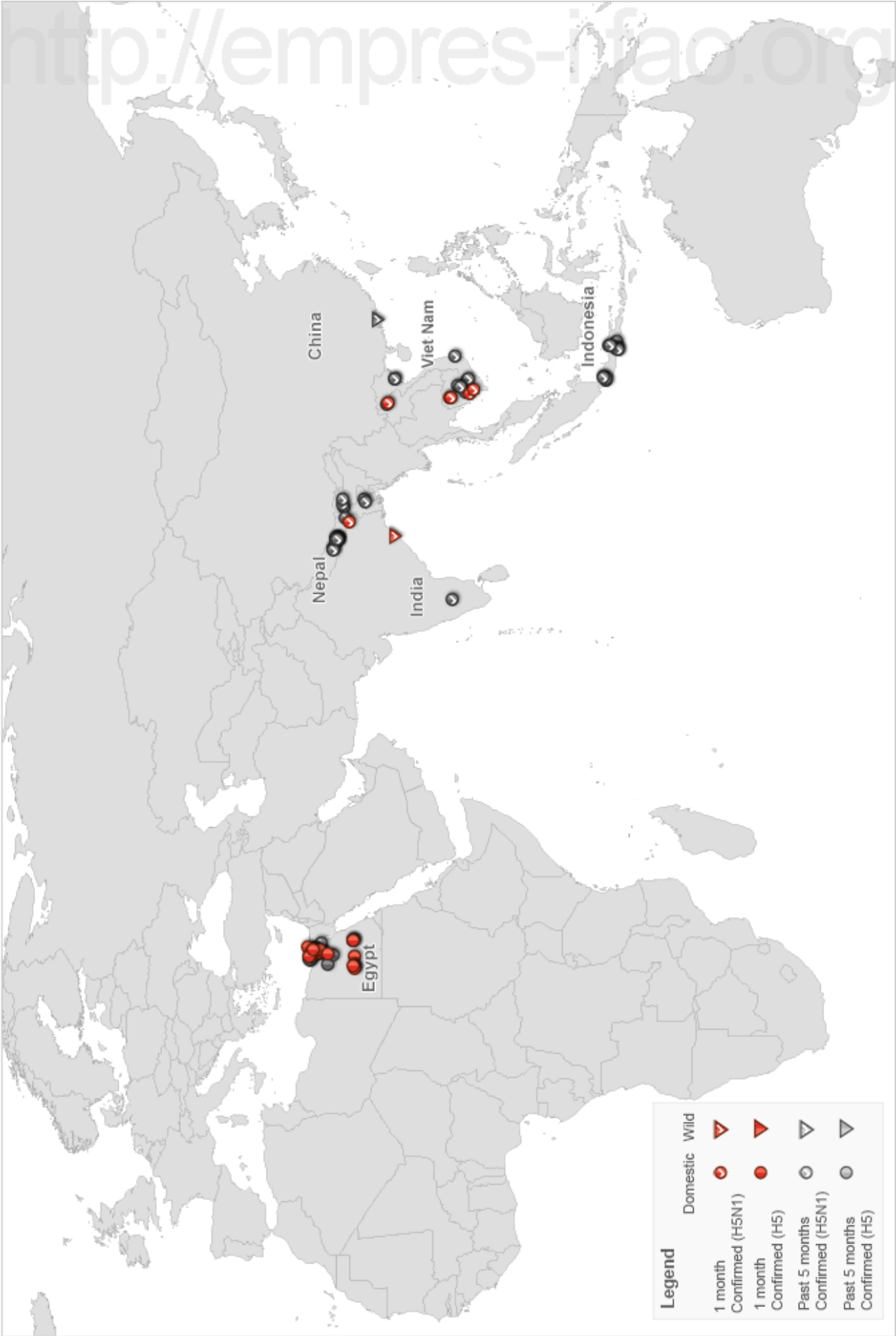
Country/Territory	First outbreak/case	Latest outbreak/case	Affected populations	Human cases (cases/deaths)
Afghanistan	Observed: 02/03/06 Reported: 24/03/06 Nangarhar, Jalalabad	Reported: 12/09/07 Kandahar, Daman	domestic poultry	
Bangladesh	Reported: 22/02/07 Dhaka	Observed: 17/12/12 Reported: 05/02/13 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

21 September 2012 - 21 March 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.