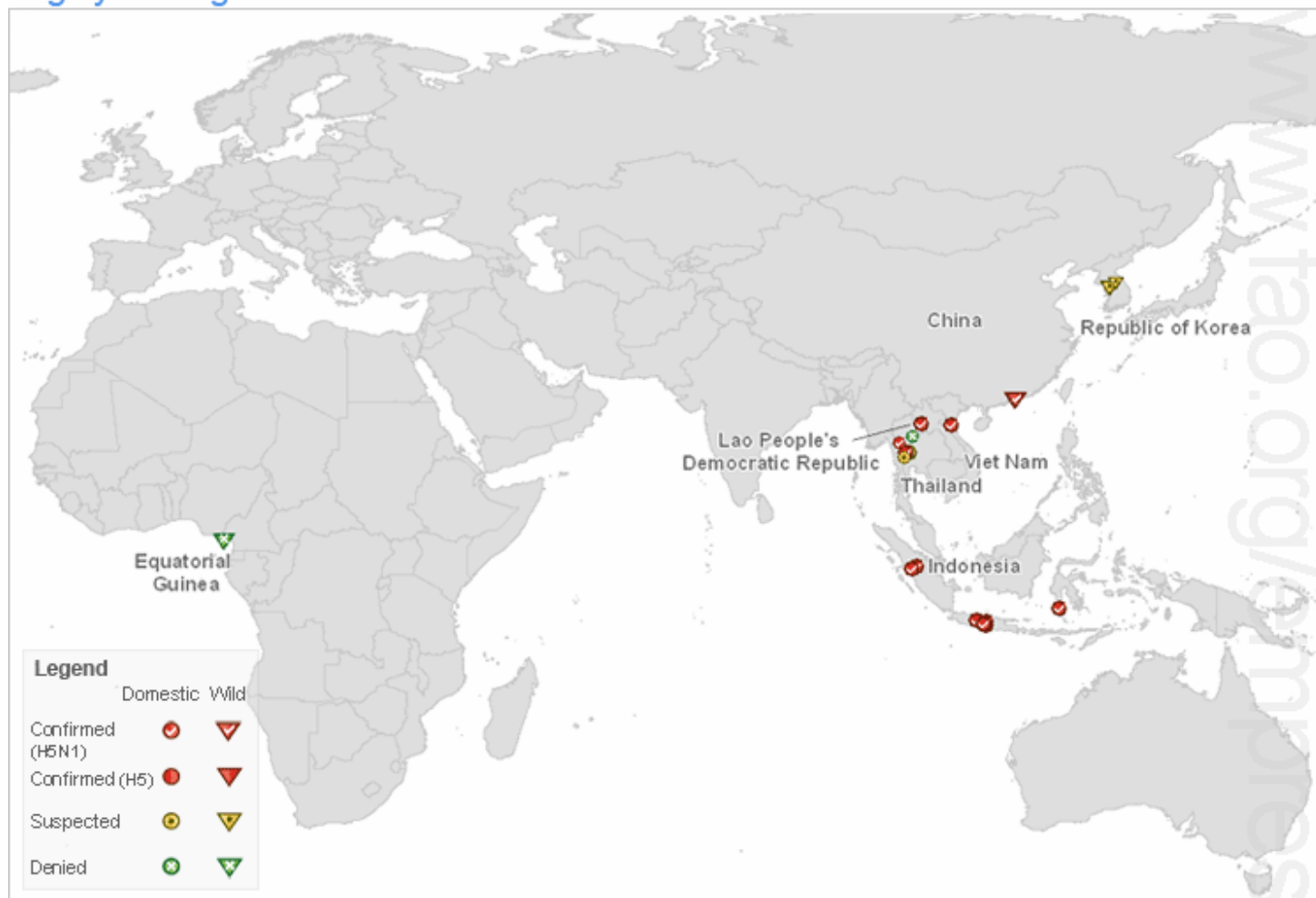


Highly Pathogenic Avian Influenza H5 events

20 October - 20 November 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?**ASIAN REGION**

Cambodia: Negative results from surveillance

Indonesia: Suspected H5N1 infection in human

Iraq: Negative results from surveillance

Thailand: Confirmed H5N1 HPAI outbreak in poultry

Note: updated information is indicated in red

ASIAN REGION**Cambodia****OFFICIAL****14/11/08 – UN System**

During 8-14 November 2008, the animal health hotline at the National Veterinary Research Institute (NaVRI) received 8 calls asking information about avian influenza but no call reported sick or dying poultry. Market Forums on Avian

Influenza were organized in Kampong Cham and Siem Reap Provinces. No Human AI suspected cases were found last week.

07/11/08 – UN System

From 31 October to 7 November 2008, the animal health hotline at the NaVRI received six calls from Phnom Penh, Kandal and Takeo Provinces. Three calls reported about sick and dying poultry in Phnom Penh and Kandal Province and the rest asked for information about avian influenza. The team of provincial and district veterinarians went to the villages in Phnom Penh and Kandal Provinces for investigation and concluded that avian influenza was not the cause.

Indonesia**OFFICIAL****12/11/08 – FAO field officer**

32 H5N1 HPAI outbreaks were detected through Participatory Disease Surveillance and Response (PDSR) during the month of October.

12/11/08 – FAO field officer

The 32-year old male suspected to die from H5N1 infection (reported on 3 November 2008 - see below) tested negative and so did the chickens and pigeons nearby.

NON-OFFICIAL

13/11/08 – News, GPHIN ID: 4384780; Provider: Factiva; Source: Reuters News & 19/11/08 – News, Jakarta Post

Seventeen people from the same neighborhood in the Indonesian city of Makassar in South Sulawesi are due to be tested for H5N1 infection after falling sick. The group had been hospitalized after chickens in the surrounding area suddenly died. The general health condition of the 17 is good and blood samples had been taken and would be sent to the health ministry laboratory in Jakarta for testing.

South Sulawesi Health Agency disclosed the 17 patients suspected of being infected with the virus which were in better condition after a six day intensive treatment at Wahidin Sudirohusodo General Hospital. However, they are not yet allowed to return home. Laboratory result tests are being conducted at the Health Ministry's Research and Development Laboratory in Jakarta are pending.

11/11/08 - News, Xinhua via COMTEX News Network & 12/11/08 - News, the Associated Press

A 15-year old girl from Semarang, Central Java, suspected of suffering from H5N1 infection died at the Kariadi Public Hospital on 7 November 2008 after being hospitalized for ten days. She died of respiratory failure and had fever exceeding 39 degrees Celsius. Tests from two local laboratories came back positive on 12 November 2008. Authorities believe the girl, who lived near a chicken slaughterhouse, became infected with the H5N1 virus after coming into contact with sick poultry. An investigation continues.

Iraq**OFFICIAL**

16/11/08 – FAO field officer

Iraq reported the laboratory results of their surveillance activities for October 2008 for all governorates except Kurdistan Province, in the north of the country. All samples taken were negative for H5N1 HPAI [poultry farms (896), backyard poultry (989), game and wild birds (125), and markets and slaughterhouses (353)].

Lao People's Democratic Republic**OFFICIAL**

10/11/08 – World Organisation for Animal Health (OIE)

The outbreak in Donengeun Village, Sayabouli District, Sayabouli Province has been reported to OIE. The outbreak started on 27 October 2008 and killed 11 birds out of a backyard flock (114 chickens and 41 ducks).

http://www.oie.int/wahis/public.php?page=single_report&pop=1&reportid=7504

Myanmar**OFFICIAL**

08/11/08 – FAO field officer

Results of active surveillance undertaken during the month of October 2008 in Bago (East), which locates next to Yangon Division, indicated the presence of a large number of sero-positive healthy ducks as follows: a total of 1,476 serum samples tested, 182 showed positive by HA/HI tests (12.3% positive). The sero-prevalence were particularly high in two townships, Tanatpin (118/510=23.1%), and Waw (46/270=17%), respectively. The presence of sero-positive healthy

ducks in Tanatpin Township has been known since early 2007 when H5N1 virus hit Yangon / Bago Divisions and Mon State. At moment, the government placed high alert on these duck farms and enforces a strict movement control by which live ducks and their eggs are allowed to move only within the same township and consumed there. In Myanmar, the last case of HPAI outbreak was in December 2007 in East Shan State which shares the border with China (Yunnan Province) and Thailand (Chaing Rai Province).

Thailand**OFFICIAL**

17/11/08 – World Organisation for Animal Health (OIE)

An outbreak in Village No 6, Thung Pho, Nong Chang, Uthai Thani Province has been reported to OIE. The outbreak started on 10 November 2008 killing five out of seven native chickens.

http://www.oie.int/wahis/public.php?page=single_report&pop=1&reportid=7514

10/11/08 – World Organisation for Animal Health (OIE)

An outbreak in Village No 5, Tong SaLeam, Tong SaLeam, Sukhothai Province has been reported to OIE. The outbreak started on 27 October 2008 killing five out of 17 native chickens. The native chickens at the affected house were firstly found dead on 27 October 2008 from *Escherichia coli* infection and intestinal parasitic infestation. This is the first H5N1 HPAI outbreak in Thailand since January 2008.

http://www.oie.int/wahis/public.php?page=single_report&pop=1&reportid=7502

NON-OFFICIAL

12/11/08 – News, The Nation

The HPAI outbreak reported in Sukhothai's Thung Saliam District (news item below) may have spread to the neighbouring Sawankhalok District, where 30 chickens died on 11 November 2008 in Moo 2 of Tambon Nai Muang. Public health officials immediately buried the dead birds, sent samples for laboratory testing and disinfected the entire village. Another 385 chickens belonging to 28 farmers in the Moo 2 will be culled as a precautionary measure. Another outbreak was identified in Uthai Thani, where only H5 was diagnosed. It will take one to two days to confirm.

Viet Nam**OFFICIAL**

13/11/08 – FAO field officer

On 8 November 2008, the Department of Animal Health (DAH) reported an outbreak of HPAI in a farm raising 600 ducks and 373 chickens in Hong Thinh Village, Dien Hong Commune, Dien Chau District, Nghe An Province. Since 31 October 2008, 105 layer ducks, 119 meat ducks and 43 chickens died. According to preliminary investigation, the chickens and ducks had been vaccinated for H5N1 on 18 September 2008. However, additional 450 unvaccinated ducks of 5-day-old were recently introduced into the farm.

http://www.cucthuy.gov.vn/index.php?option=com_content&task=view&id=1290&Itemid=1

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	no
Burkina Faso	Observed: 02/03/06 Reported: 04/03/06 Centre-ouest, Sanguie	Reported: 20/05/06 Centre-ouest, Sanguie	domestic poultry	no
Cameroon	Observed: 21/02/06 Reported: 12/03/06 Extreme-Nord, Diamare	Reported: 28/03/06 Nord, Benoue	domestic poultry, wild birds	no
Côte d'Ivoire	Observed: 30/03/06 Reported: 25/04/06 Bas Sassandra, Sassandra	Reported: 21/05/07 N'zi Comoe, Daoukro	domestic poultry	no
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	Reported: 07/10/08 El Gharbia, Samanoud	domestic poultry	50/22
Ghana	Reported: 21/04/07 Western, Wassa Amenfi	Reported: 13/06/07 Volta, Ketu	domestic poultry	no
Niger	Observed: 06/02/06 Reported: 27/02/06 Zinder, Magaria	Observed: 02/05/06 Reported: 24/05/06 Maradi, Madarounfa	domestic poultry	no
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	no
Togo	Observed: 15/06/07 Reported: 22/06/07 Maritime, Lacs	Observed: 16/09/08 Reported: 18/09/08 Maritime, Lacs	domestic poultry	no

SUMMARY OF CONFIRMED H5N1 HPAI OUTBREAKS IN THE ASIAN REGION

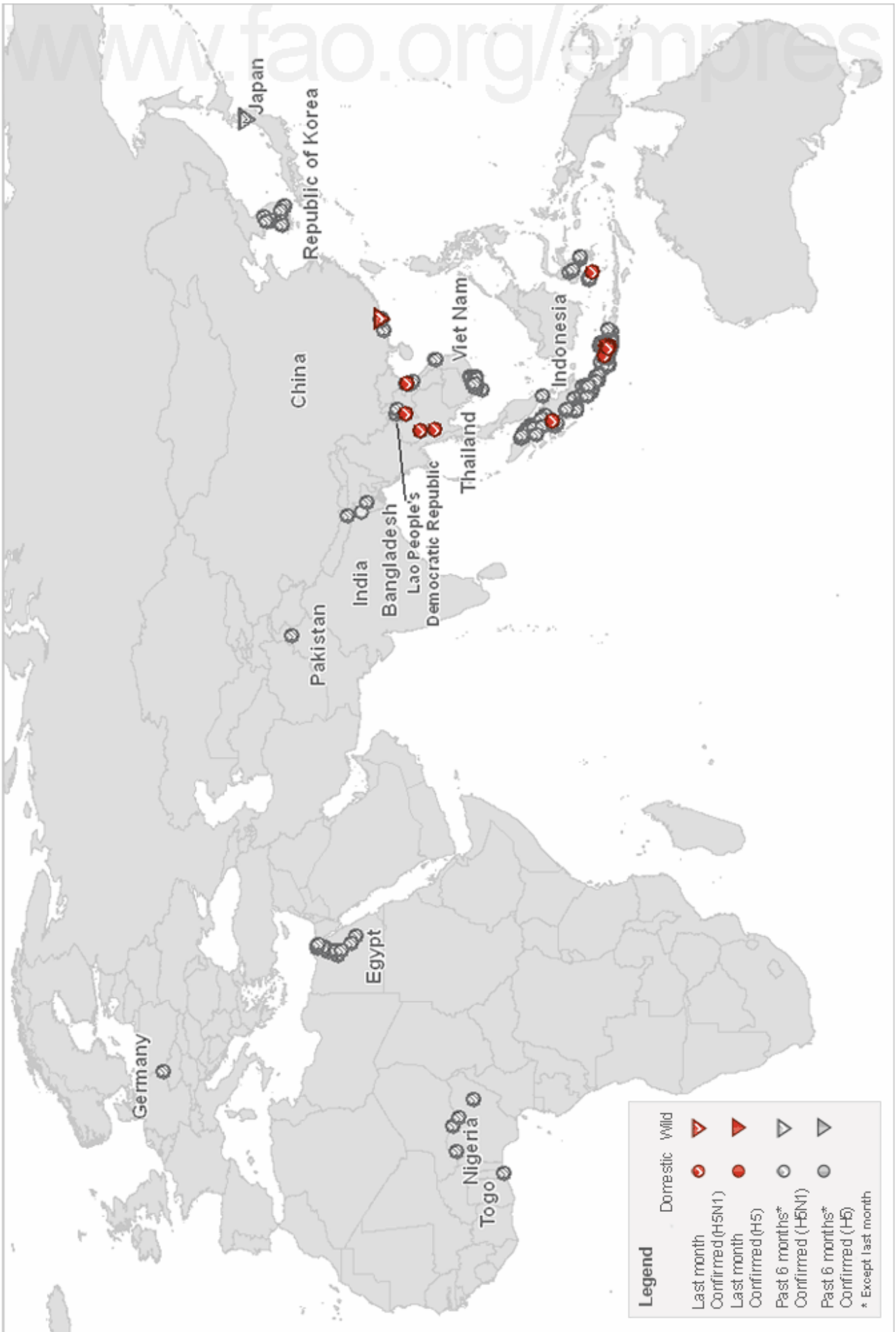
Country/Territory	First outbreak/case	Latest outbreak/case	Affected populations	Human cases (cases/deaths)
Afghanistan	Observed: 02/03/06 Reported: 24/03/06 Nangarhar, Jalalabad	Reported: 12/09/07 Kandahar, Daman	domestic poultry	no
Bangladesh	Reported: 22/02/07 Dhaka, Dhaka	Observed: 29/09/08 Reported: 04/10/08 Naogaon, Naogaon	domestic poultry	1/0
Cambodia	Reported: 12/01/04 Phnom Penh, Tuol Kouk	Reported: 06/04/07 Kampong Cham, Kampong Cham	humans, domestic poultry	7/7
China	Observed: 20/01/04 Reported: 26/01/04 Guangxi Zhuangzu Zizhiqu	Reported: 17/06/08 Guangdong Sheng	domestic poultry	30/20
Hong Kong SAR, China	Observed: 19/01/04 Reported: 26/01/04 Kowloon	Observed: 15/10/08 Reported: 20/10/08 Sham Shui Po	wild birds, domestic poultry market	no
India	Reported: 11/05/04 Tamil Nadu, Tiruchchirappalli	Reported: 15/05/08 West Bengal, Darjiling	humans, domestic poultry	no
Indonesia	Reported: 02/02/04 Jawa Barat, Lebak	Observed: 10/08 Reported: 10/08 Di Yogyakarta, Jawa Tengah	domestic poultry,	137/112
Iran (Islamic Republic of)	Observed: 02/02/06 Reported: 07/02/06 Gilan, Someehsara	Reported: 10/01/08 Mazandaran, Neka	wild birds, domestic poultry	no
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: 27/12/07 Reported: 01/01/08 Haifa	domestic poultry	no
Japan	Reported: 28/12/03 Yamaguti, Aotoyoo	Observed: 08/05/08 Reported: 06/06/08 Akita, Oodatei	domestic poultry, wild birds	no
Jordan	Reported: 23/03/06 Ajloun, Ajloun	Reported: 23/03/06 Ajloun, Ajloun	domestic poultry	no
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	no
Kuwait	Reported: 25/02/07 Al Farnawiyah	Reported: 23/04/07 Al Ahmadi	wild birds, domestic poultry, zoo birds	no
Lao People's Democratic Republic	Observed: 15/01/04 Reported: 27/01/04 Sayabouri, Boten	Observed: 04/11/08 Reported: 05/11/08 Sayabouli, Sayabouli	domestic poultry	2/2
Malaysia	Reported: 20/02/06 Kuala Lumpur, Kuala Lumpur	Reported: 02/06/07 Selangor Kuala, Selangor	domestic poultry	no
Mongolia	Observed: 02/08/05 Reported: 08/08/05 Hovsgol, Alag-Erdene	Reported: 05/06/06 Bulgan	wild birds	no
Myanmar	Observed: 08/03/06 Reported: 13/03/06 Mandalay, Meikthila	Reported: 23/12/07 Shan (S), Loilem	domestic poultry	1/0
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: 12/05/08 Reported: 20/05/08 Kyongsangnam-do	domestic poultry	no
Saudi Arabia	Observed: 10/11/05 Reported: 11/11/05 Eastern Province	Reported: 29/01/08 Riyad	domestic poultry, wild birds	no
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	Reported: 09/01/04 Long An, Chau Thanh (Long An)	Observed: 31/10/08 Reported: 08/11/08 Nghe An, Dien Chau	domestic poultry	106/52
West Bank and Gaza Strip	Reported: 22/03/06 Tubas	Reported: 22/03/06 Tubas	domestic poultry	no

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	no
Austria	Observed: 10/02/06 Reported: 23/02/06 Steiermark, Graz	Observed: 22/03/06 Reported: 27/03/06 Oberosterrei ch, Perg	wild birds	no
Azerbaijan	Observed: 02/02/06 Reported: 03/02/06 Baku	Observed: 18/03/06 Reported: 23/03/06 Tauz	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	no
Bulgaria	Observed: 31/01/06 Reported: 04/02/06 Vidin, Vidin	Reported: 25/05/06 Silistra, Glavitca	wild birds, domestic poultry	no
Croatia	Observed: 21/10/05 Reported: 22/10/05 Virovitica-p odravina	Observed: 24/03/06 Reported: 12/04/06 Grad, Zagreb	wild birds	no
Czech Republic	Observed: 25/03/06 Reported: 29/03/06 Jihocesky, Ceske Budejovice	Reported: 11/07/07 Vychodoesky, Usti nad Orlici	wild bird, domestic poultry	no
Denmark	Observed:22/03/06 Reported: 24/04/06 Fyn, Aeroeskoebing	Reported: 18/05/06 Fyn, Kerteminde	wild birds, domestic poultry	no
France	Observed:17/02/06 Reported: 20/02/06 Rhone Alpes, Ain	Reported: 09/08/07 Lorraine, Moselle	wild birds,	no
Germany	Reported: 06/07/07 Bayern, Mittelfranken	Observed: 09/10/08 Reported: 10/10/08 Sachsen, Landkreis Gorlitz	wild birds, domestic poultry	no
Greece	Reported: 30/01/06 Kentriki Makedonia, Pierias	Observed: 04/03/06 Reported: 27/03/06 Kentriki Makedonia, Thessalonikis	wild birds	no
Hungary	Reported: 04/02/06 Bacs-kiskun	Reported: 29/01/07 Csongrad	wild birds	no
Italy	Observed: 01/02/06 Reported: 11/02/06 Calabria Vibo, Valentia	Reported: 19/02/06 Umbria, Perugia	wild birds	no
Poland	Reported: 15/02/06 Pomorskie, Nowy Dwor Gdanski	Reported: 22/12/07 Lodzkie, Poddebice	wild birds, domestic poultry	no
Romania	Reported: 07/10/05 Tulcea	Reported: 06/12/07 Tulcea	wild birds, domestic poultry, cat	no
Russian Federation	Observed:15/07/05 Reported: 22/07/05 Novosibirska ya Oblast	Observed:08/04/08 Reported: 11/04/08 Primorskiy Kray	domestic poultry, wild birds	no
Serbia	Reported: 28/02/2006 Zapadno-backi	Reported: 15/03/2006 Zlatiborski	wild birds, domestic poultry	no
Slovakia	Reported: 17/02/06 Slovakia, Bratislava	Reported: 18/02/06 Slovakia, Trnava	wild birds	no
Slovenia	Observed:09/02/06 Reported: 14/02/06 Podravska, Maribor	Observed:25/03/06 Reported: 30/03/06 Podravska, Maribor	wild birds	no
Spain	Reported: 07/07/06 Pais Vasco, Alava	Reported: 07/07/06 Pais Vasco, Alava	wild birds	no
Sweden	Reported: 28/02/06 Kalmar Laen, Oskarshamn	Observed:26/04/06 Reported: 27/04/06 Stockholms Laen, Haninge	wild birds	no
Switzerland	Reported: 26/02/06 Geneve	Observed: 22/03/06 Reported: 28/03/06 Luzern	wild birds	no
Turkey	Observed: 05/10/05 Reported: 09/10/05 Balikesir, Manyas	Observed: 09/03/08 Reported: 18/03/08 Edirne, Merkez	domestic poultry	12/4
Ukraine	Reported: 02/12/05 Krym	Observed: 11/02/08 Reported: 13/02/08 Krym	wild birds, domestic poultry	no
United Kingdom	Observed: 05/04/06 Reported: 06/04/06 Scotland, Central	Observed: 22/05/08 (H7N7) Reported: 06/06/08 England, Oxfordshire	wild birds, domestic poultry	no

Highly Pathogenic Avian Influenza H5 confirmed outbreaks

20 May - 20 November 2008



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 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 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.