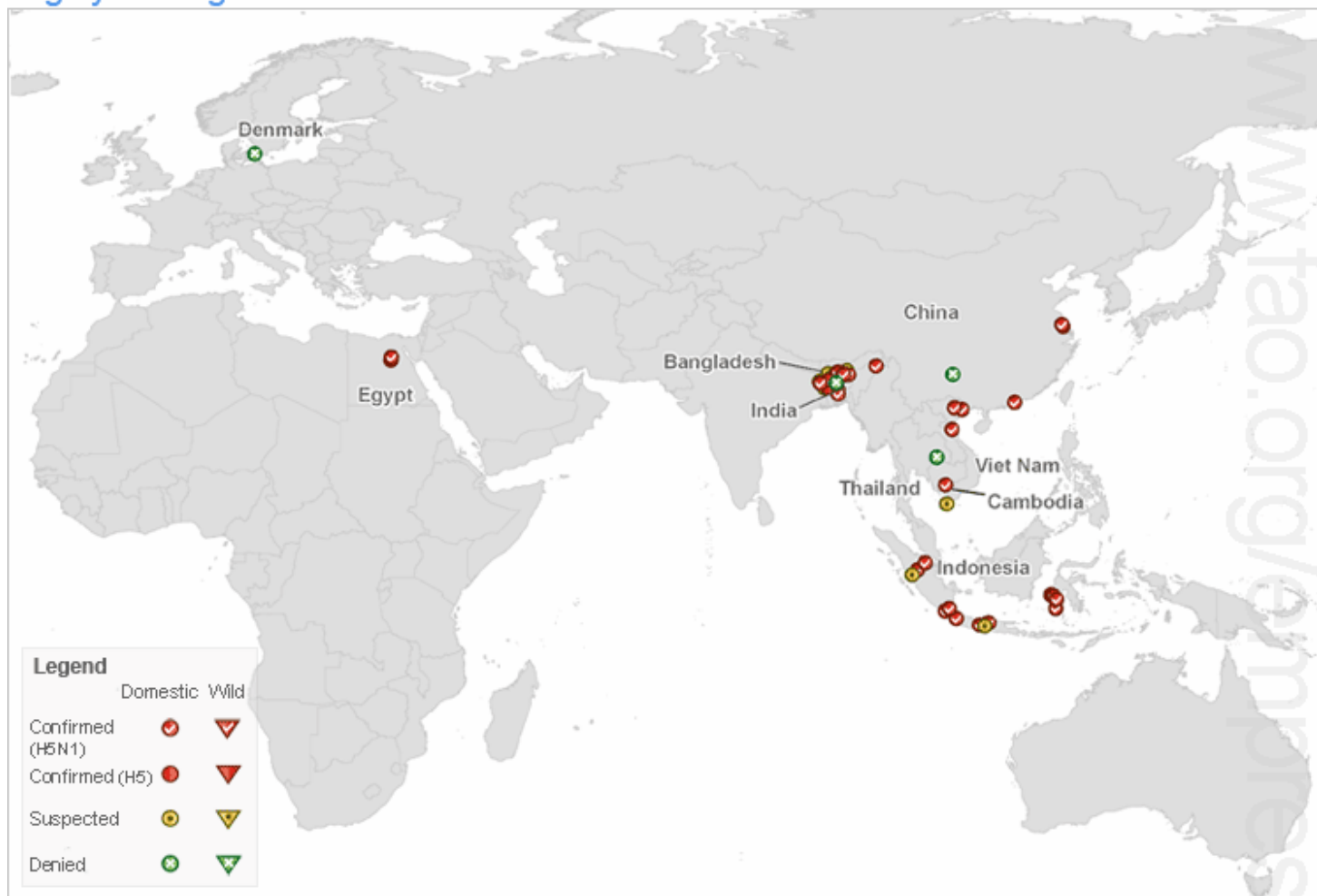


Highly Pathogenic Avian Influenza H5 events

30 November - 30 December 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?

AFRICAN REGION

Egypt:

- Confirmed H5N1 HPAI outbreaks in poultry (El Menia)
- Suspected H5N1 infection in human (El Minufiyah)

ASIAN REGION

Bangladesh:

- Confirmed H5 HPAI outbreak in poultry (Gaibandha, Kurigram, Natore)

Cambodia:

- Confirmed H5N1 HPAI outbreak in poultry (Kandal)
- Results from HPAI surveillance

China:

- Confirmed H5N2 LPAI outbreak in poultry (Taiwan Province of China)
- Additional information on confirmed H5N1 HPAI outbreak in poultry (Jiangsu)

India:

- Additional information on confirmed H5N1 HPAI outbreak in poultry (Assam)
- Additional information on confirmed H5N1 HPAI outbreak in poultry (West Bengal)
- Suspected HPAI outbreaks in poultry (West Bengal)

Iraq: Surveillance AI results

Viet Nam: H5N1 HPAI outbreaks in poultry (Thai Nguyen)

EUROPEAN REGION

Belgium: Confirmed H5 LPAI in poultry (Limburg and East Flanders)

Denmark: Denied case of avian influenza in poultry

Note: updated information is indicated in red

AFRICAN REGION

Egypt

OFFICIAL

25/12/08- Confirmed H5N1 HPAI outbreak in poultry, El Menia Governorate (FAO officer)

A H5N1 HPAI outbreak in vaccinated backyard poultry has been reported in Abo Helal area of El Menia City, El Menia District, EL Menia Governorate, after tests results came back positive on 25 December 2008.

18/12/08- Confirmed H5N1 HPAI outbreak in poultry, El Menia Governorate (FAO officer)

A H5N1 HPAI outbreak in vaccinated backyard poultry (15 birds) has been reported in Hod Elgazar Village, Beni Mazar District, El Menia Governorate, after tests results came back positive on 27 November 2008.

16/12/08 – Confirmed H5N1 infection in human & suspected HPAI outbreak in poultry, Assuit (Ministry of Health and Population & World Health Organisation)

The Ministry of Health and Population of Egypt has announced a new human case of avian influenza A (H5N1) virus infection. The case is a 16-year-old female from Al Zarabe Village, Assuit Governorate, Upper Egypt, whose symptoms began on 8 December 2008. She was initially hospitalized at the district hospital on 11 December 2008 and then transferred to the Assuit University Hospital on 13 December 2008 where she died on 15 December. Infection with the H5N1 avian influenza virus was diagnosed by PCR at the Egyptian Central Public Health Laboratory and subsequently confirmed by the US Naval Medical Research Unit No. 3 (NAMRU-3) laboratories on 15 December 2008. Investigations into the source of her infection indicate a recent history of contact with sick and dead poultry. Of the 51 cases confirmed to date in Egypt, 23 have been fatal.

http://www.who.int/csr/don/2008_12_16/en/index.html

NON-OFFICIAL

22/12/08 - Suspected H5N1 infection in human, El Minufiyah (News: Intelink Avian Influenza Daily Digest; Source: ARGUS)

A national source reported a suspicion of H5N1 infection in a 4-year-old male. The boy was hospitalized at the hospital in El Minufiyah, where samples were taken and sent to the Cairo central laboratories for testing. All poultry in the household were culled. A health official stated that an emergency room was prepared to respond to any suspected cases of AI in the district.

ASIAN REGION

Bangladesh

OFFICIAL

24/12/08 – Confirmed H5 HPAI outbreak in poultry in, Kurigram and Gaibandha districts (Ministry of Fisheries and Livestock & FAO officer)

The Ministry of Fisheries and Livestock has announced one HPAI outbreak in backyard poultry in the Kurigram District and another HPAI outbreak in commercial poultry farm in Gaibandha District.

http://www.mofl.gov.bd/daily_birdflu_report.pdf

20/12/08 – Confirmed H5 HPAI outbreak in poultry, Natore (Ministry of Fisheries and Livestock & FAO officer)

The Ministry of Fisheries and Livestock has announced a new HPAI outbreak in a layer farm in Singra Upazilla, Natore District. On the morning of 17 December 2008, 17 layers died and the farmer reported the case to the Upazilla Livestock Officer. The Upazilla does not lie within the FAO active

surveillance zone. The farm will be stamped out in accordance with Government policy.

http://www.mofl.gov.bd/daily_birdflu_report.pdf

17/12/08 – Confirmed H5N1 HPAI outbreaks in poultry, Narsingdi (World Organisation for Animal Health - OIE)

Bangladesh has reported to OIE an H5N1 HPAI outbreak in Islamia poultry farm, Shalidha, Narsingdi District, Dhaka Division, which started on 10 December 2008 affecting 105 out of 3,645 birds. In addition, the outbreak in Rangpur District has also been reported to OIE.

http://www.oie.int/wahis/public.php?page=single_report&pop=1&reportid=7619

14/12/08 – Confirmed H5 HPAI outbreak in poultry, Gazipur (Ministry of Fisheries and Livestock & FAO officer)

The Ministry of Fisheries and Livestock has announced a new HPAI outbreak in Gazipur District in a mixed farm with 1,174 layers and two age groups of broilers (9 days and 20 days). Only the layer farm is affected, where 100 birds died within 3 days. The farmer reported the case and the rapid test carried out on 14 December 2008 revealed positive. The farm will be stamped out in accordance with Government's policy.

http://www.mofl.gov.bd/daily_birdflu_report.pdf

NON-OFFICIAL

23/12/08 - Suspected H5N1 HPAI outbreak in poultry, Kurigram (News: Intelink Avian Influenza Daily Digest; Source: Straits Time)

Around 100 birds were slaughtered on a farm in the northern Kurigram District late on Monday 22 December 2008 after H5N1 strain of HPAI was discovered. This is the fifth district to have been hit by HPAI since it re-emerged in October 2008 after a break of four months. The government has stepped up surveillance.

Cambodia

OFFICIAL

25/12/08 – Confirmed HPAI in poultry (World Organisation for Animal Health – OIE)

The outbreak reported in Kendal province on 17/12 by the Ministry of Agriculture was notified to the OIE on 25/12/08.

http://www.oie.int/wahis/reports/en_imm_0000007635_2008_1225_154519.pdf

19/12/08 – Results from HPAI surveillance (UN System)

From 12 to 19 December 2008, the Animal Health hotline at the National Veterinary Research Institute received five calls from Takeo, Kampong Speu and Kampong Cham Provinces. One call reported about sick and dying poultry in Takeo Province and the rest asked about AI. The team of provincial and district veterinarians went to the villages in Takeo Province and, after investigation, they decided that AI was not the cause of the illness and death of poultry.

17/12/08 – Confirmed HPAI outbreak in poultry (Ministry of Agriculture, Forestry and Fisheries & FAO officer)

The Ministry of Agriculture, Forestry and Fisheries Department of Animal Health and Production in collaboration with the FAO have organized the culling of 326 poultry including ducks, chickens, turkeys and geese in the Cambodia-Indonesia Solidarity Camp and surrounding area in Kraing Chek Village, Deumrus Commune, Kandal Stung District, Kandal province. The area has been declared an infected zone following confirmation that three duck samples (3/3) collected from the camp are positive for HPAI. The zone has been quarantined and poultry movements and raising in the area have been banned. Samples will be collected regularly in the surveillance area to determine the presence of H5N1. Meanwhile, poultry samples (13 chickens and 32 ducks) from Tunsay Kiech Village, located just outside the

military camp in Kandal, tested negative for HPAI, and so did samples collected from Tumpor Meas Village in Kampong Speu (11 chickens, 18 ducks and 2 geese). DAHP dispatched two investigation teams to the three villages following confirmation that a 19-year old man from Kandal Steung District was confirmed to suffer from H5N1 infection (see below: 12/12/08 – WHO). People in the villages of Tunsay Kiech and Kraing Chek reported that poultry have been dying since October. On the human side, nearly 60 people have tested negative.

China

OFFICIAL

20/12/08 – Confirmed H5N2 LPAI outbreaks in poultry, Taiwan Province of China (World Organisation for Animal Health – OIE)

The H5N2 outbreak in the Taiwan Province of China reported by the media (17/12/08 – News) has been notified to the OIE. The outbreak occurred in Yua-Chih farm, Kaohsiung County on 12 November 2008 and affected 520 out of 18,591 birds. The primary surveillance in the 3-km-radius is completed. All the 76 flocks in this area have been disinfected and screened. The surveillance programme will be conducted for three months.

http://www.oie.int/wahis/public.php?page=single_report&pop=1&reportid=7625

19/12/08 – Additional information on confirmed H5N1 HPAI outbreaks in poultry, Jiangsu (World Organisation for Animal Health – OIE)

The outbreaks in Jiangsu Province (below: 16/12/08 - Ministry of Agriculture) have been notified to the OIE. In total two outbreaks occurred on 9 December 2008 in Xubei, Xunan, Dongtai, Yancheng City, and Lingdong, Xinghe, Xihu, Hai'an, Nantong City, both in Jiangsu Province.

http://www.oie.int/wahis/public.php?page=single_report&pop=1&reportid=7623

16/12/08 – Confirmed H5N1 HPAI outbreaks in poultry, Jiangsu (Ministry of Agriculture)

The Ministry of Agriculture (MOA) has confirmed an H5N1 HPAI outbreak in Jiangsu Province. Hens in five villages of Hai An County and Dong Tai City were found during routine surveillance. After preliminary analysis, the virus strain is different from the one in the South of China. Experts presume that this case is probably caused by the migratory birds. Further testing is undergoing by the National AI Reference Laboratory. Control measures taken include: 1) stamping out of all the infected poultry in the site and neighbouring areas (377,000 poultry); 2) movement control; and 3) disinfection.

NON-OFFICIAL

17/12/08 - Suspected H5N2 AI in poultry, Taiwan (News, The Straits Times)

Taiwan is investigating a suspected H5N2 outbreak following mass poultry deaths. Inspectors are looking at reasons for the sudden death of poultry on 21 October 2008 in Luzhu in Kaohsiung County. Tests are still being done.

http://www.straitstimes.com/Breaking+News/Asia/Story/STIStory_315460.html

India

OFFICIAL

29/12/08 – Additional information on confirmed H5N1 HPAI outbreaks in poultry, Assam (FAO officer)

The new outbreaks in India have been detected in a new geographic area in India (Assam state: Baksa, Barpeta, Bongaigaon, Chirang, Dibrugarh, Kamrup, Nagaon Districts) beginning Nov 2008 followed by (Dec 08) in one of the districts also previously infected in early 2008 in West Bengal (Malda District). Detailed epidemiology reports are not

available from Govt. of India although they do form teams to look into the causes of infection. Almost all their analysis is based on assumptions not scientifically proved.

The two Indian labs involved in AI diagnosis are fully capable of doing sequencing of the viruses and have done detailed sequencing of all previous virus isolates of 2006, 2007 and early 2008. As per lab reports all the isolates fall within clade 2.2. The virus isolates of neighbouring Bangladesh sequenced by VLA, Weybridge in mid 2007 also fall within clade 2.2. Both the countries have shared the sequences but the outcome is not known. The current virus isolates in India will also be sequenced in due course. The results will be known when ever the lab brings out a publication. [FAO officer, 24/12/08]

<http://dahd.nic.in/flu/bfconfirmationassam24Dec2008.pdf>

<http://dahd.nic.in/flu/bfconfirmationassam10Dec2008.pdf>

18/12/08 – Additional information on confirmed H5N1 HPAI outbreaks in poultry, West Bengal (World Organisation for Animal Health – OIE)

One H5N1 HPAI outbreak in rural backyard poultry in Englishbazar, Malda District, West Bengal already reported by the Department of Animal Husbandry Dairying and Fisheries (below:15/12/08) has been reported to OIE. The outbreak started on 13 December 2008.

http://www.oie.int/wahis/public.php?page=single_report&pop=1&reportid=7617

16/12/08 - Confirmed H5 HPAI outbreaks in poultry, Assam State (Department of Animal Husbandry, Dairying and Fisheries)

H5 HPAI has spread into four new villages: 1) Sariha Sakia Village in Bojali Block, Barpeta District; 2) Kheluwa Para Pt-II Village in Boltamari Block, Bongaigaon District (as reported by the media below: 11/12/08 – News); 3) Ward No. 37, Guwahati Municipality, Kamrup (Metro) District; and 4) Kharghuli Jaipur Village, Guwahati Municipality, Kamrup (Metro) District. Samples collected tested positive for H5 HPAI in the rapid tests conducted at the High Security Animal Disease Laboratory (HSADL), Bhopal. Poultry in an area of 3-km-radius of the outbreaks will be culled and surveillance will be carried out in an area of 10-km-radius.

<http://dahd.nic.in/flu/bfconfirmationassam16Dec2008.pdf>

15/12/08 - Confirmed H5 HPAI outbreaks in poultry, West Bengal (Department of Animal Husbandry, Dairying and Fisheries)

H5 HPAI has been reported in two Villages in West Bengal: Satghoria and Narhatta Villages, in Englishbazar Block, Malda District (as reported by the media below: 11/12/08 – News). Samples collected tested positive for H5 HPAI in the rapid tests conducted at the High Security Animal Disease Laboratory (HSADL), Bhopal. Poultry in an area of 3-km-radius of the outbreaks will be culled and surveillance will be carried out in an area of 10-km-radius.

<http://dahd.nic.in/flu/bfconfirmwestbengal15Dec2008.pdf>

NON-OFFICIAL

17/12/08 – Suspected HPAI outbreaks in poultry, West Bengal (News, The Statesman)

Fresh bird deaths have been reported from Chandmoni I and II and Baharal GP in Ratua Block, Malda District, West Bengal. Hundreds of chickens have died in the Ratua Block, about 10 km from Satgharia where the virus was 1st detected. Blood samples will be collected.

<http://www.thestatesman.net/page.news.php?clid=1&theme=&usrsess=1&id=236273>

17/12/08 – Suspected H5N1 infection in humans, Malda (News: GPHIN; ID: 4503377; News Provider: Manual Feed; News Source: Telegraph India)

District officials in Malda are worried about a family of six and two couples suffering from fever for the past week at Satgharia Village. The family owned 12 chickens. All died days before HPAI was confirmed in this pocket of the Narhatta gram panchayat area. Birds were reportedly thrown into the river when they died. A team of doctors visited the Satgharia and Budhia Villages and collected blood samples of those suffering from fever.

http://www.telegraphindia.com/1081217/jsp/bengal/story_10263828.jsp

Indonesia

OFFICIAL

16/12/08 – Confirmed HPAI outbreaks in poultry (FAO officer)

47 HPAI outbreaks have been detected in Indonesia during the month of November thanks to participatory disease surveillance and response (PDSR) activities. When poultry mortality events are encountered in which more than one bird died suddenly, with or without clinical signs, PDSR teams carry out an influenza type A rapid test. A mortality event consistent with clinical HPAI and a positive rapid test in affected poultry is considered a confirmed detection of HPAI in areas where HPAI has previously been confirmed by laboratory testing.

NON-OFFICIAL

17/12/08 – Suspected H5N1 infection in human, Banten (News: GPHIN; ID: 4503376; News Provider: Manual Feed; News Source: www.antara.co.id)

A suspected H5N1 infected 24-year old female from Bintaro, Tangerang, Banten, died on 16 December 2008. She had been intensively treated at Sari Asih Hospital in Ciledug, Tangerang for three days. The head of the Tangerang health service said his office could not as yet confirm if the cause of was H5N1 infection. Her blood sample is still being analysed.

<http://www.antara.co.id/en/arc/2008/12/17/suspected-birdflu-patient-dies/>

Iraq

OFFICIAL

21/12/08 – Surveillance AI results (FAO officer)

Iraq, where the last H5N1 HPAI outbreak was in February 2006, reported recent laboratory results of their surveillance activities for November 2008 for all governorates except Kurdistan Province, in the north of the country. All Iraqi samples taken were negative for H5N1 [poultry farms (371), backyard poultry (241), game and wild birds (212), and markets and slaughterhouses (370)]. However, poultry farms infected with H9 LPAI were found in Najaif, Wasit and Mosel.

Viet Nam

OFFICIAL

28-29/12/08 – Confirmed H5N1 HPAI outbreaks in poultry, Thai Nguyen Province (FAO officer)

The outbreaks were reported in Tieb Bo hamlet, Luong Son commune, Thai Bguyen City, 80 km north of Hanoi. In the first outbreak confirmed on 26/12/08, more than 100 ducks died in one farm. These were unvaccinated Muscovy ducks. Muscovies are not vaccinated since the Chinese vaccine has minimal protection. The second outbreak which is not yet officially reported to DAH affected a chicken farm resulted in culling of approximate 4,200 chickens according to media..

http://www.cucthuy.gov.vn/index.php?option=com_content&task=view&id=1345&Itemid=1

EUROPEAN REGION

Belgium

OFFICIAL

22/12/08 - Confirmed H5 LPAI in poultry, Limburg and East Flanders (European Commission – EC)

Two cases of H5 LPAI have been detected in during regular monitoring for avian influenza. The neuraminidase is not of the N1 type. The positive cases were detected in two geese holdings in the provinces of Limburg and East Flanders. Disease control measures according to Directive 2005/94/EC have been implemented.

Denmark

OFFICIAL

22/12/08 – Denied avian influenza outbreak in South Jutland (European Commission – EC)

With reference to the suspicion of avian influenza in Denmark, the Danish veterinary services have informed the Commission that PCR tests carried out on 40 samples from the suspected holding have given NEGATIVE results for avian influenza.

http://www.foedevarestyrelsen.dk/Nyheder/Pressemeddelelse/Ingen_fugleinfluenza_i_Soenderjysk_fjerkraebesatning.htm

NON-OFFICIAL

22/12/08 – Suspected avian influenza outbreak in South Jutland (News: GPHIN; Source: Reuters)

"The suspicion arose following unexpected results in blood tests done as part of routine checks for bird flu," the agency said in a statement. The agency added that it had isolated the flock pending further tests. Results would take a few days, it said.

http://www.straitstimes.com/Breaking%2BNews/World/Story/STIStory_317704.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	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: 25/12/08 El Menia	domestic poultry	51/23
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

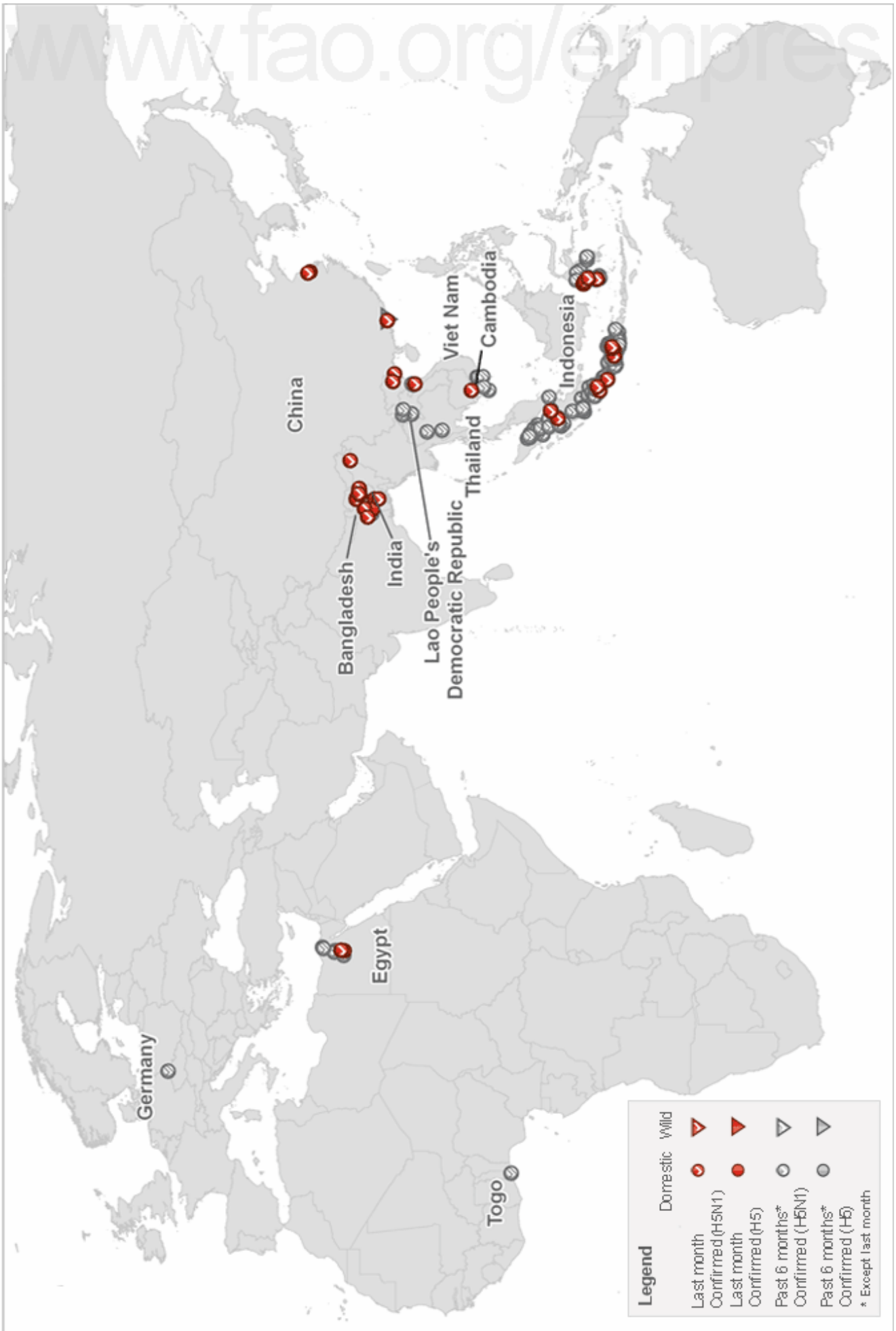
Country/Territory	First outbreak/case	Latest outbreak/case	Affected populations	Human cases (cases/deaths)
Afghanistan	Observed: 02/03/06 Reported: 24/03/06 Nangarhar, Jalalabad	Reported: 12/09/07 Kandahar, Daman	domestic poultry	no
Bangladesh	Reported: 22/02/07 Dhaka, Dhaka	Reported: 22/12/08 Gaibandha	domestic poultry	1/0
Cambodia	Reported: 12/01/04 Phnom Penh, Tuol Kouk	Observed: 15/12/08 Reported: 17/12/08 Kandal	humans, domestic poultry	8/7
China	Observed: 20/01/04 Reported: 26/01/04 Guangxi Zhuangzu Zizhiqu	Observed: 09/12/08 Reported: 16/12/08 Jiangsu	domestic poultry	30/20
Hong Kong SAR, China	Observed: 19/01/04 Reported: 26/01/04 Kowloon	Observed: 08/12/08 Reported: 12/12/08 Yuen Long	wild birds, domestic poultry	no
India	Reported: 11/05/04 Tamil Nadu, Tiruchchirapalli	Reported: 24/12/08 Assam, West Bengal	humans, domestic poultry	no
Indonesia	Reported: 02/02/04 Jawa Barat, Lebak	Observed: 30/11/08 Reported: 16/12/08 Sulawesi	domestic poultry,	139/113
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, Atootyoo	Observed: 08/05/08 Reported: 01/06/08 Aomori	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: 21/11/08 Reported: 21/11/08 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: 25/12/08 Reported: 29/12/08 Thai Nguyen Province	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 Srednjobosan ski	Observed:16/02/06 Reported: 20/02/06 Srednjobosan ski	wild birds	no
Bulgaria	Observed: 31/01/06 Reported: 04/02/06 Vidin, Vidin	Reported: 25/05/06 Silistra, Glavititca	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 Vychodocesky, 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, wild birds	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

30 July - 30 December 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.