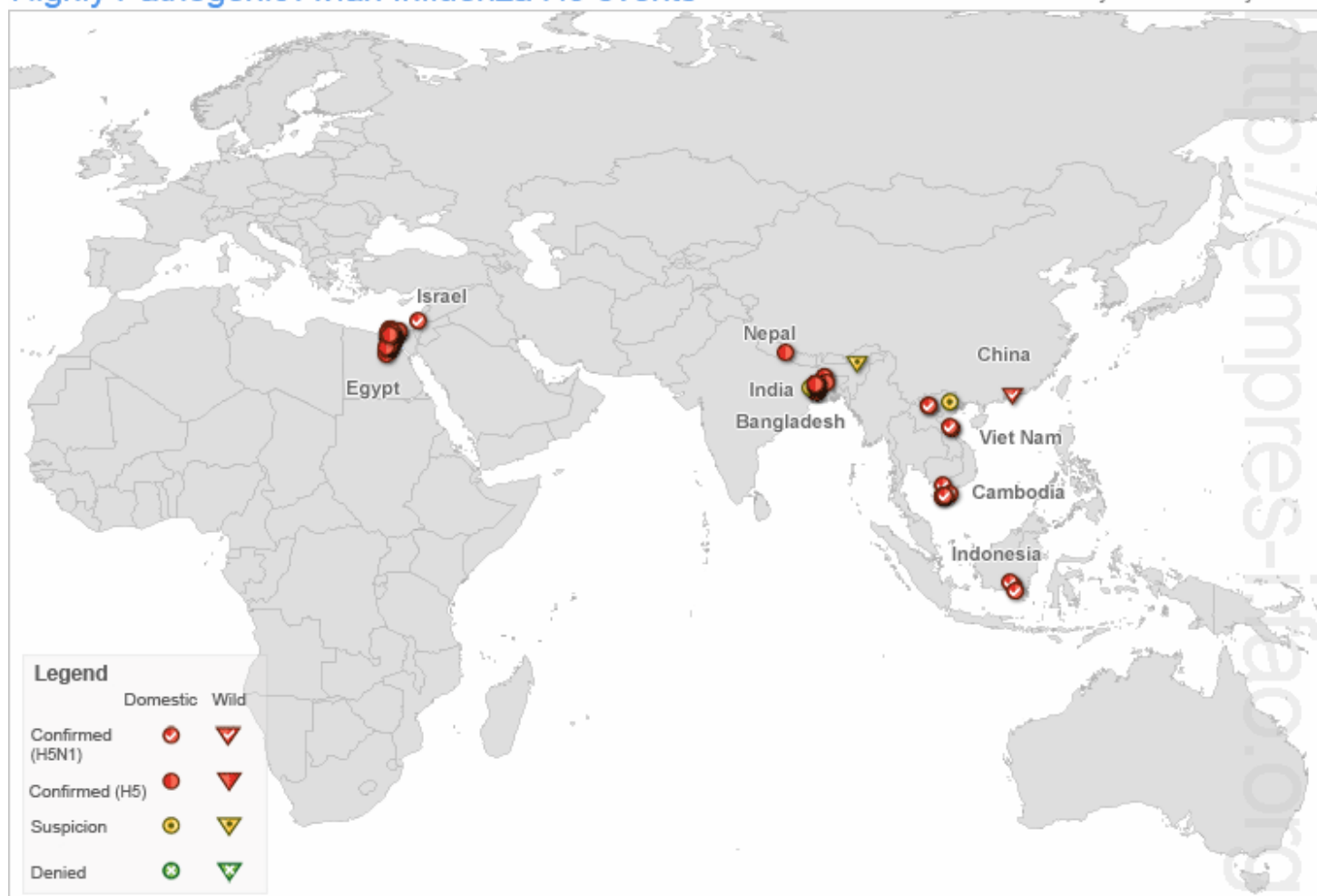


Highly Pathogenic Avian Influenza H5 events

04 January - 04 February 2010



Note: A map of the events during the latest 6 months is shown on the last page.

WHAT'S NEW in this issue?

AFRICAN REGION

Egypt

- Confirmed H5 HPAI outbreak in poultry (Beni Suef, Dakahlia, Gharbia, Menoufiya, Port Said, Qualioubiya and Sharkia Governorates)

ASIAN REGION

Bangladesh

- Confirmed H5N1 HPAI outbreaks in poultry (Joypurhat and Sirajganj)

Cambodia

- Confirmed H5N1 HPAI outbreak in poultry (Takeo)

India

- Confirmed H5N1 HPAI outbreaks in poultry (West Bengal)

Indonesia

- Suspected human case of H5N1 infection (Central Java)

Israel

- Additional information on confirmed H5N1 HPAI outbreak in poultry (Haifa)

Nepal

- Confirmed H5N1 HPAI outbreak in poultry (Pokhara)

Viet Nam

- Confirmed H5N1 HPAI outbreaks in poultry (Ca Mau and Ha Tinh)
- Additional information on confirmed H5N1 HPAI outbreaks in poultry (Soc Trang and Dien Bien)

NOTE: UPDATED INFORMATION IS INDICATED IN RED

AFRICAN REGION

Egypt

OFFICIAL

01/02/10 - Confirmed H5 HPAI outbreaks in poultry, Beni Suef, Dakahlia and Gharbia (National authorities)

H5 HPAI outbreaks occurred in:

- Kafr Elnaeim Village, Mit Ghamr District, Dakahlia Governorate. As part of Participatory Disease Surveillance (PDS) activities, 70 backyard poultry (ducks and chickens) of unknown vaccination status were sampled on 30 January 2010 and tested positive on 31 January 2010.

- Shouber Village, Tanta District, Gharbia Governorate. After notification, 25 unvaccinated backyard chickens (native breed layers) were sampled and tested positive on 29 January 2010.

- Ezbet Shoeib Village, Elwasta District, Beni Suef Governorate. As part of PDS activities, 25 backyard chickens of unknown vaccination status were sampled on 28 January 2010 and tested positive on 29 January 2010. The source of infection were young grower chickens bought from a nursery farm via peddlers.

- Enfast Village, Elwasta District, Beni Suef Governorate. As part of PDS activities, 30 backyard chickens of unknown vaccination status were sampled on 28 January 2010 and tested positive on 29 January 2010. The source of infection were Peking ducks bought from Zawya Village live bird market.

28/01/10 - Confirmed H5 HPAI outbreaks in poultry, Beni Suef, Dakahlia, Gharbia, Menoufiya, Port Said, Qualioubiya and Sharkia (National authorities)

H5 HPAI outbreaks occurred in:

- Kafr Elnasr Village, Mit Ghamr District, Dakahlia Governorate. As part of Participatory Disease Surveillance (PDS) activities, 57 backyard ducks and chickens of unknown vaccination status were sampled on 27 January 2010 and tested positive on 28 January 2010. The source of infection were chickens bought from a live bird market (LBM) and slaughtered the same day. The viscera of these chickens were fed to the poultry kept in the household and mortalities were observed the day after.

- Mit Nabet Village, Talkha District, Dakahlia Governorate. Following active surveillance, 9,000 vaccinated chickens (broiler breeders) from a commercial farm were sampled on 27 January 2010 and tested positive on 28 January 2010.

- Hourin Village, Berket Elsab' District, Menoufiya Governorate. After notification, 15 unvaccinated backyard chickens were sampled on 26 January 2010 and tested positive on 27 January 2010.

- Mit Elakrad Village, Elmansoura District, Dakahlia Governorate. As part of PDS activities, 92 unvaccinated backyard chickens and ducks were sampled on 26 January 2010 and tested positive on 27 January 2010. The source of infection is unknown. The village is surrounded by three water canals in which hundreds of dead chickens and ducks were thrown.

- Kafr Ibrahim Village, Belbeis District, Sharkia Governorate. Following surveillance, 30 unvaccinated backyard chickens were sampled on 26 January 2010 and tested positive on 27 January 2010.

- Om Khalaf Village, South Port Said District, Port Said Governorate. After notification, 49 unvaccinated backyard chickens were sampled on 24 January 2010 and tested positive on 26 January 2010.

- Bani Hany Village, Ehnassia District, Beni Suef Governorate. As part of PDS activities, 38 unvaccinated backyard chickens and ducks were sampled on 24 January 2010 and tested positive on 25 January 2010. The source of infection are Peking Ducks bought from Sidmant LBM.

- Sedoud Village, Monouf District, Menoufiya Governorate. After notification, 10 unvaccinated backyard chickens were sampled on 24 January 2010 and tested positive on 25 January 2010.

- Elbahayta Village, Mit Ghamr District, Dakahlia Governorate. After notification, 34 unvaccinated backyard chickens and ducks were sampled on 22 January 2010 and tested positive on 22 January 2010. The source of infection were young grower chickens bought from a nursery farm via peddlers.

- Kom Elnagar Village, Bassioun District, Gharbia Governorate. After notification, 15 unvaccinated backyard ducks and chickens were sampled and tested positive on 21 January 2010.

- Tomay Elamdid City, Tomay Elamdid District, Dakahlia Governorate. After notification, 10 unvaccinated backyard ducks were sampled and tested positive on 20 January 2010.

- Eldabayba Village, Elwasta District, Beni Suef Governorate. As part of PDS activities, 30 unvaccinated backyard chickens were sampled on 19 January 2010 and tested positive on 20 January 2010.

- Degwey Village, Banha District, Qualioubiya Governorate. After notification, 12 unvaccinated backyard ducks were sampled on 19 January 2010 and tested positive on 20 January 2010.

- Qalib Abiar Village, Kafr Elzayat District, Gharbia Governorate. As part of PDS activities, 14 unvaccinated backyard chickens and ducks were sampled and tested positive on 19 January 2010.

- Gemizet Belgay Village, Mansoura District, Dakahlia Governorate. As part of PDS activities, 132 unvaccinated backyard chickens and ducks were sampled and tested positive on 11 January 2010.

<http://www.saidr.org/en/animals.php>

27/01/10 - Confirmed human case of H5N1 infection, Sharkia (FAO Field Officer)

On 23 January, The Ministry of Health has confirmed H5N1 infection in a , 38 years old man from Kafr Elaatar, Elsenita Village, Faqous District, Sharkia Governorate. This is the human case No. 94. On 20 January a private physician referred the patient to Faqous Fever Hospital where he was hospitalized and Tamiflu treatment was given. The Veterinary Directorate of Sharkia Governorate and the National Laboratory for Veterinary Quality Control on Poultry Production (NLQP) collected samples from poultry raised at the house where the infected man lives and the results are negative for H5N1.

21/01/10 - Additional information on confirmed human case of H5N1 infection, Beni Suef (FAO Field Officer)

The Ministry of Health has confirmed that the human case No. 91, a 20-year old woman from Beba District, Beni Suef Governorate died following respiratory failure. The patient had been diagnosed on 6 January 2010 and admitted to the hospital on 11 January 2010. She had been treated with Tamiflu and was referred to the Central Fever Hospital in Cairo as her condition worsened.

ASIAN REGION

Bangladesh

OFFICIAL

31/01/10 - Confirmed H5N1 HPAI outbreak in poultry, Rajshahi (World Organisation for Animal Health - OIE)

The outbreak (reported as a suspicion on 27 and 28/01/10 - FAO officer and News) has been confirmed in a report to OIE. On 25 January 2010 in Lata Poultry Farm at Ranigram of Sirajganj Sadar Upazila, Sirajganj District, Rajshahi, a commercial layer farm was affected. The source of infection is unknown. *In last week's report this farm was called Akmal Poultry Farm.*

The outbreak in Joypurhat (confirmed on 26/01/10 - FAO officer, Government of Bangladesh and ProMED) has also been reported to OIE. On 23 January 2010, a commercial layer farm (Lata Poultry Farm) in Khetlal, Fakirpara, Joypurhat, Rajshahi, was affected. The source of infection is unknown.

http://www.oie.int/wahis/public.php?page=single_report&pop=1&reportid=8906

27 and 28/01/10 – Suspected H5 HPAI outbreak in poultry, Sirajganj (FAO officer and News)

Akmal Poultry Farm at Ranigram of Sirajganj Sadar Upazila, Sirajganj District, Rajshahi, was affected by HPAI on 27 January 2010. Around 1,200 birds infected with died in last three days and around 1,800 birds were culled. District health officials confirmed detection of bird flu after test at laboratory in Dhaka.

<http://www.thedailystar.net/newDesign/news-details.php?nid=123694>

26/01/10 – Confirmed H5 HPAI outbreak in poultry, Joypurhat (Government of Bangladesh, FAO Officer and ProMED)

An outbreak of H5N1 HPAI has been reported in Lata Poultry Farm, Khetlal, Fakirpara, Joypurhat, Rajshahi, 500-1,000 metres away from the index farm. 150 birds died and 475 birds have been culled. Samples were positive by Rapid Antigen Test to influenza A. Samples were shipped to the National Reference Laboratory (Bangladesh Livestock Research Institute) on 24 January 2010.

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

http://www.promedmail.org/pls/otn/f?p=2400:1001:3904291159289252::NO::F2400_P1001_BACK_PAGE,F2400_P1001_PUB_MAIL_ID:100,0,81079

Cambodia

OFFICIAL

02-03/02/2010 – Confirmed H5N1 HPAI outbreak in poultry, Takeo (UN System and News)

On 26 January 2010 about 4,000 ducks were reported dead in Koh Andet District, Takeo Province. The same day, the National Veterinary Research Institute (NaVRI) collected samples, which tested positive for H5N1 HPAI on 29 January 2010. This was re-confirmed by the Institute Pasteur in Cambodia on 1 February 2010. The outbreak zone was notified on 2 February 2010 to be in Prolay Meas Village, Romeanh Commune, Koh Andet District, Takeo Province. A 1 km zone around it was declared infected zone. Quarantine and movement controls have been applied. Poultry production has been banned until further notice from the Department of Animal Health. A surveillance zone has been established in a 10 km radius around the outbreak and samples will be collected regularly to determine the presence of the H5N1 virus. According to a news report, Cambodian authorities began mass culling of ducks on 3 February 2010 after more than 15,000 ducks died in Takeo Province and samples tested positive on 2 February 2010 for the H5N1 virus. *This is the first outbreak since December 2009.*

<http://www.chinapost.com.tw/health/infectious-diseases/2010/02/03/243533/New-outbreak.htm>

26/01/10 – Negative results from AI surveillance (UN System)

As of 26 January 2010, the animal health hotline at the National Veterinary Research Institute received seven calls, four of which reported sick and dead poultry in Prey Veng, Takeo and Siem Reap Provinces. Teams of provincial and district veterinarians went to the villages and after investigation decided that avian influenza was not the cause of illness or death of poultry. Other callers asked general questions about avian influenza.

India

OFFICIAL

02/02/10 – Confirmed H5N1 HPAI outbreaks in poultry, West Bengal (Ministry of Health and Family Welfare – MoH and News)

The outbreaks of HPAI H5N1 in Jhajra and Sankarpur Villages, Khargram Block, Murshidabad District, West Bengal have been confirmed in a press release issued by the MoH. According to a media report, culling of birds has started and so far 125,751 birds have been culled and about 15,453 eggs have been destroyed.

<http://pib.nic.in/release/release.asp?relid=57559>

<http://www.hindustantimes.com/india-news/newdelhi/Bird-flu-spreads-to-more-areas-in-West-Bengal/Article1-502776.aspx>

30/01/10 – Confirmed H5N1 HPAI outbreaks in poultry, West Bengal (Department of Animal Husbandry Dairies and Fisheries - DAHDF)

Outbreaks of H5 HPAI have been reported on 30 January 2010 in Diara, Ramchandrapur and Alinagar Villages, Khargram Block, Murshidabad District, West Bengal. Culling of birds and surveillance will be carried out in a 3 and 10 km radius around the outbreaks, respectively.

<http://dahd.nic.in/flu/bfconfirmwestbengal30Jan2010.pdf>

28/01/10 – Confirmed H5N1 HPAI outbreaks in poultry, West Bengal (World Organisation for Animal Health – OIE)

Outbreaks of H5 HPAI have been reported on 19 January 2010 in Pathai and Dhamalipara Villages, Khargram Block, Murshidabad District, West Bengal. In total, 280 birds died out of 16,099 and the remaining 2,088 were destroyed. Backyard poultry was affected mainly in small villages. The source of infection is unknown or inconclusive. An epidemiological investigation is ongoing. Stamping out of all domestic poultry is being applied in a 3 km radius zone around the outbreaks followed by compensation of the owners. An intensive surveillance campaign has been launched in a 10 km radius zone. Poultry markets have been closed and sale and transportation of poultry products in the infected zone is prohibited. Disinfection of premises after culling and sealing of premises is applied where appropriate. Restocking will be permitted in accordance with the approved protocol.

http://www.oie.int/wahis/public.php?page=single_report&pop=1&reportid=8898

20, 22, 23, 25 and 27/01/10 – Confirmed H5 HPAI outbreaks in poultry, West Bengal (National authorities and World Organisation for Animal Health - OIE)

The Government of India has reported that poultry in Badua, Kharjuna, Simulia and Faridpur Villages, Burwan Block, West Bengal, have tested positive for H5 with rapid tests. Poultry in Haripur Uttarpara, Ninur, Pathai and Dhamalipara villages, Khargram Block, West Bengal, have also tested positive for H5. Culling of birds is ongoing. Surveillance is being carried out over a 10 km radius around the outbreaks.

<http://dahd.nic.in/bfwb270110.pdf>

<http://dahd.nic.in/flu/bfconfirmwestbengal20Jan2010.pdf>

http://www.oie.int/wahis/public.php?page=single_report&pop=1&reportid=8875

<http://pib.nic.in/release/release.asp?relid=57308>

NON-OFFICIAL

22/01/2010 – Suspected H5N1 HPAI outbreaks in poultry, West Bengal (News)

According to a media report, HPAI has spread to villages in Kandhi Block, adjacent to Khargram Block. Culling procedures are being blocked by farmers who have not yet received compensation for the 2008 outbreaks.

<http://www.indianexpress.com/news/as-bird-flu-strikes-again-villagers-oppose-culling/569943/>

Indonesia

NON-OFFICIAL

01/02/10 – Suspected human case of H5N1 infection, East Jakarta (News, ARGUS)

A woman who died in East Jakarta on 26 January 2010 at Pasar Rebo hospital was confirmed to have had H5N1 avian influenza. Reportedly, one month before, she had transported four chickens from Cibitung, Tangerang City, Banten to Jakarta. The woman fell ill after butchering one of the chickens. She later returned the remaining three chickens to Cibitung.

<http://www.poskota.co.id/metro/jaksel-metro/2010/01/29/tak-bawa-skkh-truk-ayam-kena-razia>

28/01/10 – Suspected human case of H5N1 infection, Central Java (News, ARGUS)

A 22-year old male from Wonorejo Village, Jatiyoso Subdistrict, Karanganyar Regency, Central Java, died of suspected H5N1 avian influenza on 21 January 2010 after presenting high fever and a lung infection. Local health department officials said that the patient had a history of contact with poultry and they believe he contracted the disease in Cirebon, West Java. The suspect AI patient was reportedly "already sick" when he returned from a trip to Cirebon [no dates provided]. By the time he was hospitalized, he was in critical condition. Health officials suspected H5N1 infection based on his symptoms. The source does not mention whether the patient was tested for the virus.

<http://www.solopos.com/2010/karanganyar/diduga-suspect-ai-warga-jatiyoso-meninggal-13002>

Israel

OFFICIAL

02/02/10 – Additional information on confirmed H5N1 HPAI outbreak in poultry, Haifa (World Organisation for Animal Health – OIE)

The H5N1 HPAI outbreak on a poultry farm in Haifa has been contained and all remaining poultry culled on 29 January 2010. The suspected source of infection is contact with wild bird droppings outside the affected poultry house.

http://www.oie.int/wahis/public.php?page=single_report&pop=1&reportid=8912

26 & 27/01/10 – Confirmed H5N1 HPAI outbreak in poultry, Haifa (World Organisation for Animal Health – OIE, and ProMED)

An outbreak of H5N1 HPAI occurred on 24 January 2010 in a commercial farm in En Shemer, Hadera District, Haifa Province. The farm has three poultry houses that contain 43,000 heavy breeder pullets aged 16 weeks. These poultry houses are under extremely high biosecurity. Clinical signs occurred in only one house. Out of 43,000 susceptible birds, 700 cases were observed of which 100 died. The source of infection is yet unknown, but an epidemiological investigation is in progress. Samples tested positive in PCR and virus isolation, performed in the Kimron Veterinary Institute, Avian and Fish Diseases Laboratory (National laboratory). Stamping out, screening and disinfection of the affected premises is under way. The previous H5N1 outbreak in Israel, in early January 2008, involved a single, small backyard pet-bird holding, in Benyamina, 8 km from the current outbreak. The outbreak remained solitary following the stamping-out of the affected holding; the source of infection could not be determined. Israel maintains intensive avian influenza surveillance.

http://www.oie.int/wahis/public.php?page=single_report&pop=1&reportid=8888

Nepal

OFFICIAL

03-4/02//10 – Confirmed H5N1 HPAI outbreak in poultry, Pokhara (FAO officer and News)

The government confirmed a new H5N1 HPAI outbreak at a press conference on 3 February 2010. According to media, the Ministry of Agriculture and Cooperatives informed that about 100 chickens and 38 ducks died in a farm in Ghoripatan, Pokhara. Preliminary tests conducted in Pokhara on 26 January 2010 were positive and were sent to Weybridge Reference Laboratory, United Kingdom, where H5N1 HPAI was confirmed. About 10,000 chickens, ducks and other birds in the area may be killed to prevent the spread of the disease. *This is the first outbreak in the country since February 2009.*

<http://www.thehimalayantimes.com/fullNews.php?headline=London+tests+confirm+avian+flu+in+Pokhara&NewsID=225697>

<http://www.nepalnews.com/main/index.php/news-archive/2-political/3947-bird-flu-detected-in-pokhara.html>

Viet Nam

OFFICIAL

01/02/10 – Confirmed H5N1 HPAI outbreak in poultry, Ca Mau (Department of Animal Health - DAH)

Outbreaks of H5N1 HPAI have been reported in Tan Phu Commune, Thoi Binh District, Ca Mau Province, after 40 ducks out of 250 died of HPAI on 26 January 2010. Preventive and control measures have been applied.

http://www.cucthuy.gov.vn/index.php?option=com_content&task=view&id=1781&Itemid=1

29/01/10 – Confirmed H5N1 HPAI outbreak in poultry, Ha Tinh (Department of Animal Health - DAH)

Outbreaks of H5N1 HPAI have been reported in Thach Hung (Ha Tinh District), Cam Thach (Cam Xuyen District), Cam Nam (Cam Xuyen District) and Thach Dai (Thach Ha District), Ha Tinh Province after mortality was detected in poultry between 20 and 25 January 2010. Thus, Ha Tinh Province currently has six outbreaks in three districts. In total, 8,212 birds were destroyed (2,380 chickens, 5,456 ducks and 376 chicks).

http://www.cucthuy.gov.vn/index.php?option=com_content&task=view&id=1781&Itemid=1

28/01/10 – Additional information on confirmed H5N1 HPAI outbreak in poultry, Soc Trang and Dien Bien (World Organisation for Animal Health – OIE)

Additional information on the following outbreaks (already reported on 27/01/10 – DAH) was submitted to the OIE:

- On 18 January 2010 in Thanh Quoi Commune, Phú Xuyên District, Soc Trang Province. Out of 500 ducks, 350 died. The remaining 150 were culled.

- On 14 January 2010 in Thanh Hung and Thanh Yen Communes, Dien Bien District, Dien Bien Province. In Thanh Hung, out of 855, 500 birds died and the remaining 350 were culled. In Thanh Yen, out of 550, 300 birds died and the remaining 250 were culled.

The source of the outbreaks was reported as the introduction of new live animals, illegal movement of animals and fomites.

http://www.oie.int/wahis/public.php?page=single_report&pop=1&reportid=8899

http://www.oie.int/wahis/reports/en_fup_0000008899_20100128_181_721.pdf

27/01/10 – Confirmed H5N1 HPAI outbreak in poultry, Dien Bien and Soc Trang (Department of Animal Health - DAH)

Outbreaks of H5N1 HPAI have been reported:

- On 18 January 2010 in Thanh Quoi Commune, Phú Xuyên District, Soc Trang Province. The 500 ducks affected were not vaccinated. All the ducks in the flock have been culled. Necessary control measures have been implemented by the veterinary department.

- On 14 January 2010 in four households in Dien Bien District, Dien Bien Province. In total, 1,405 infected birds were destroyed (1,340 ducks and 65 chickens).

http://www.cucthuy.gov.vn/index.php?option=com_content&task=view&id=1781&Itemid=1

25/01/10 – Confirmed H5N1 HPAI outbreaks in poultry, Ca Mau (Department of Animal Health – DAH)

H5N1 HPAI outbreaks occurred on 23 January 2010 in poultry from four households of Tran Hoi Commune and Tran Van Thoi Town, Tran Van Thoi District, Ca Mau Province. In total, 207 chickens and 112 ducks were culled. Preventive and control measures have been applied.

Also on 23 January 2010, 188 ducks were found infected in Tran Loc Bac, Thoi Binh District, Ca Mau Province.

http://www.cucthuy.gov.vn/index.php?option=com_content&task=view&id=1779&Itemid=1

24/01/10 – Confirmed H5N1 HPAI outbreaks in poultry, Ha Tinh (Department of Animal Health – DAH)

An H5 HPAI outbreak occurred from 15 to 20 January 2010 in poultry from three households in Cam Binh Commune, Cam Xuyen District, Ha Tinh Province. 360 ducks out of 750 and 70 chicken out of 200 died. These flocks had not been vaccinated. The remaining birds have been culled and preventive and control measures have been applied.

http://www.cucthuy.gov.vn/index.php?option=com_content&task=view&id=1777&Itemid=1

22 & 24/01/10 – Confirmed H5N1 HPAI outbreaks in poultry, Ha Tinh (Department of Animal Health – DAH, and World Organisation for Animal Health - OIE)

An H5 HPAI outbreaks occurred on 17 January 2010 in a duck flock of a small household in Thach Quy District, Ha Tinh City Town, Ha Tinh Province, where 200 out of 550 ducks and 28 chickens were infected (sick and dead). Preventive and control measures have been applied. This outbreak was reported to OIE on 24 January 2010 with 578 susceptible, 200 cases/deaths and 378 culled. Infection sources were specified as introduction of new live animals, illegal movement of animals and fomites. Samples tested positive by RT_PCR on 20 January 2010.

http://www.cucthuy.gov.vn/index.php?option=com_content&task=view&id=1775&Itemid=1

http://www.oie.int/wahis/public.php?page=single_report&pop=1&reportid=8880

NON-OFFICIAL

28/01/10 – Suspected human case of H5N1 infection (News, ARGUS)

Reportedly, the case developed symptoms of fever and coughing and was treated at home for five days before being hospitalized. Currently, her condition has not improved. There have been no bird die-offs in the patient's community.

<http://baohatinh.vn/home/y-te-suc-khoe/1-benh-nhan-nghi-cum-a-h5n1/1k49986.aspx>

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	Observed: 30/01/10 Reported: 31/01/10 Dakahlia	domestic poultry	94/28
Ghana	Reported: 21/04/07 Greater-Accra region, Tema	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

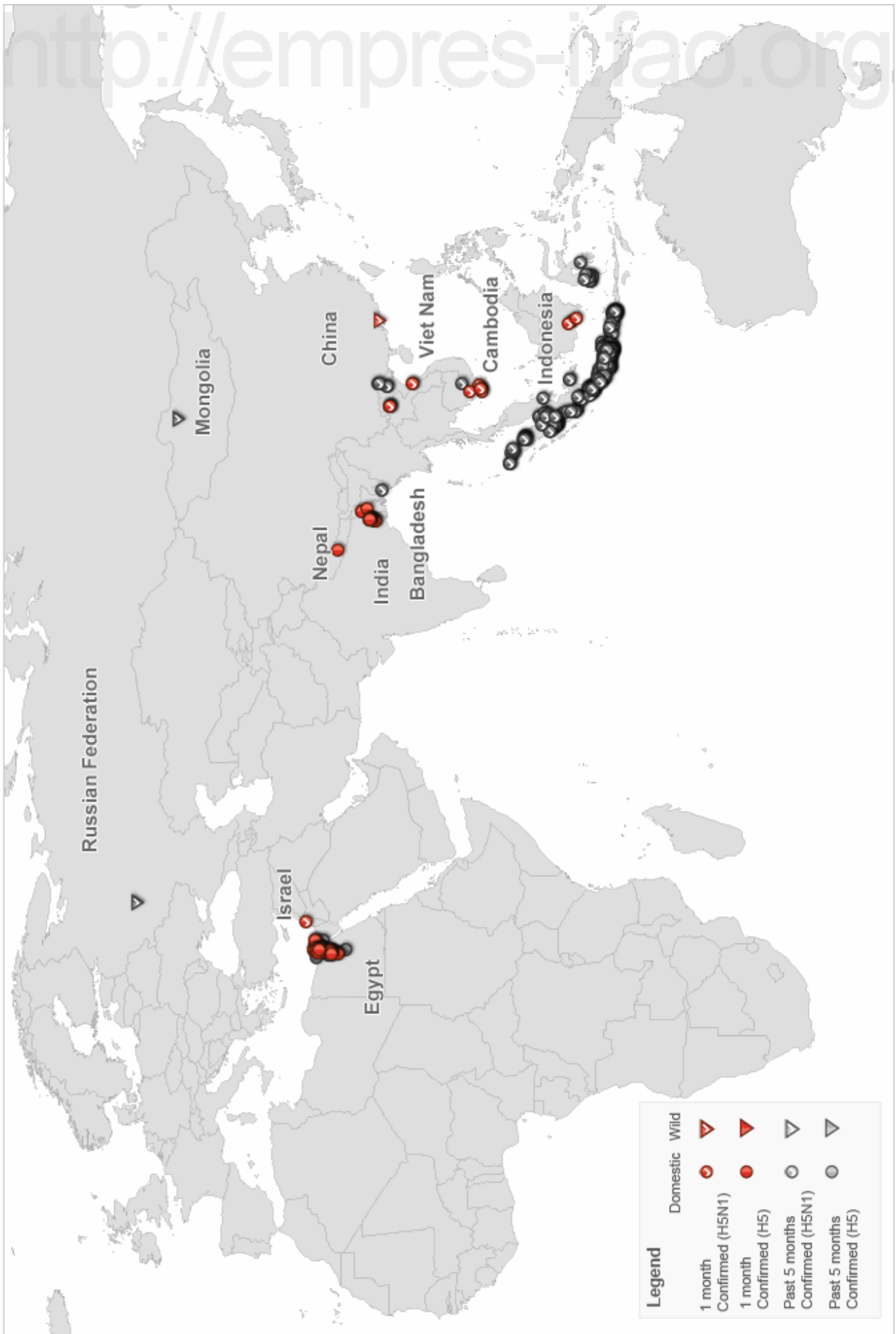
Country/Territory	First outbreak/case	Latest outbreak/case	Affected populations	Human cases (cases/deaths)
Afghanistan	Observed: 02/03/06 Reported: 24/03/06 Nangarhar, Jalalabad	Reported: 12/09/07 Kandahar, Daman	domestic poultry	no
Bangladesh	Reported: 22/02/07 Dhaka, Dhaka	Observed: 25/01/10 Reported: 31/01/10 Rajshahi	domestic poultry	1/0
Cambodia	Reported: 12/01/04 Phnom Penh, Tuol Kouk	Observed: 26/01/10 Reported: 02/02/10 Takeo	humans, domestic poultry	9/7
China	Observed: 20/01/04 Reported: 26/01/04 Guangxi Zhuangzu Zizhiqu	Observed: 26/05/09 Reported: 04/06/09 Qinghai	wild birds, domestic poultry	38/25
Hong Kong SAR, China	Observed: 19/01/04 Reported: 26/01/04 Kowloon	Observed: 29/12/09 Reported: 04/01/10 Pat Sin Leng Country Park	wild birds, domestic poultry	no
India	Observed: 27/01/06 Reported : 20/02/06 Nandurbar, Maharashtra	Observed: 29/01/10 Reported: 02/02/10 West Bengal	humans, domestic poultry	no
Indonesia	Reported: 02/02/04 Jawa Barat, Lebak	Observed: 29/12/09 Reporting: 12/01/10 South Kalimantan	domestic poultry	161/134
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: 24/01/10 Reported: 26/01/10 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: 05/02/09 Reported: 17/02/09 Phongsaly	domestic poultry	2/2
Malaysia	Observed: 07/08/04 Reported: 17/08/04 Tumpat, Kelantan	Reported: 02/06/07 Selangor Kuala, Selangor	domestic poultry	no
Mongolia	Observed: 02/08/05 Reported: 08/08/05 Hovsgol, Alag-Erdene	Observed: 27/07/09 Reported: 10/08/09 Arkhangai	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
Nepal	Observed: 08/01/09 Reported: 16/01/09 Jhapa, Mechi	Observed: 26/01/10 Reported: 03/02/10 Pokhara	domestic poultry	no
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: 29/01/0 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	Observed: 27/12/03 Reported: 09/01/04 Long An	Observed: 26/01/10 Reported: 01/02/10 Ca Mau	domestic poultry	112/57
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 Oberosterreich, Perg	wild birds	no
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	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: 10/01/09 Reported: 10/03/09 Bavaria	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:26/10/08 Reported: 05/11/08 Moskovskaya Oblast (wild bird)	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	Reported: 29/02/08 England, Dorsetshire	wild birds, domestic poultry	no

Highly Pathogenic Avian Influenza H5 confirmed outbreaks

04 August 2009 - 04 February 2010



CONTACTS

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 web-based database (<http://empres-i.fao.org/>). Electronic version of the maps can be found on the website <http://www.fao.org/EMPRES/default.htm>.

For further information about the FAO HPAI Situation Update please contact the EMPRES/GLEWS team in FAO 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.