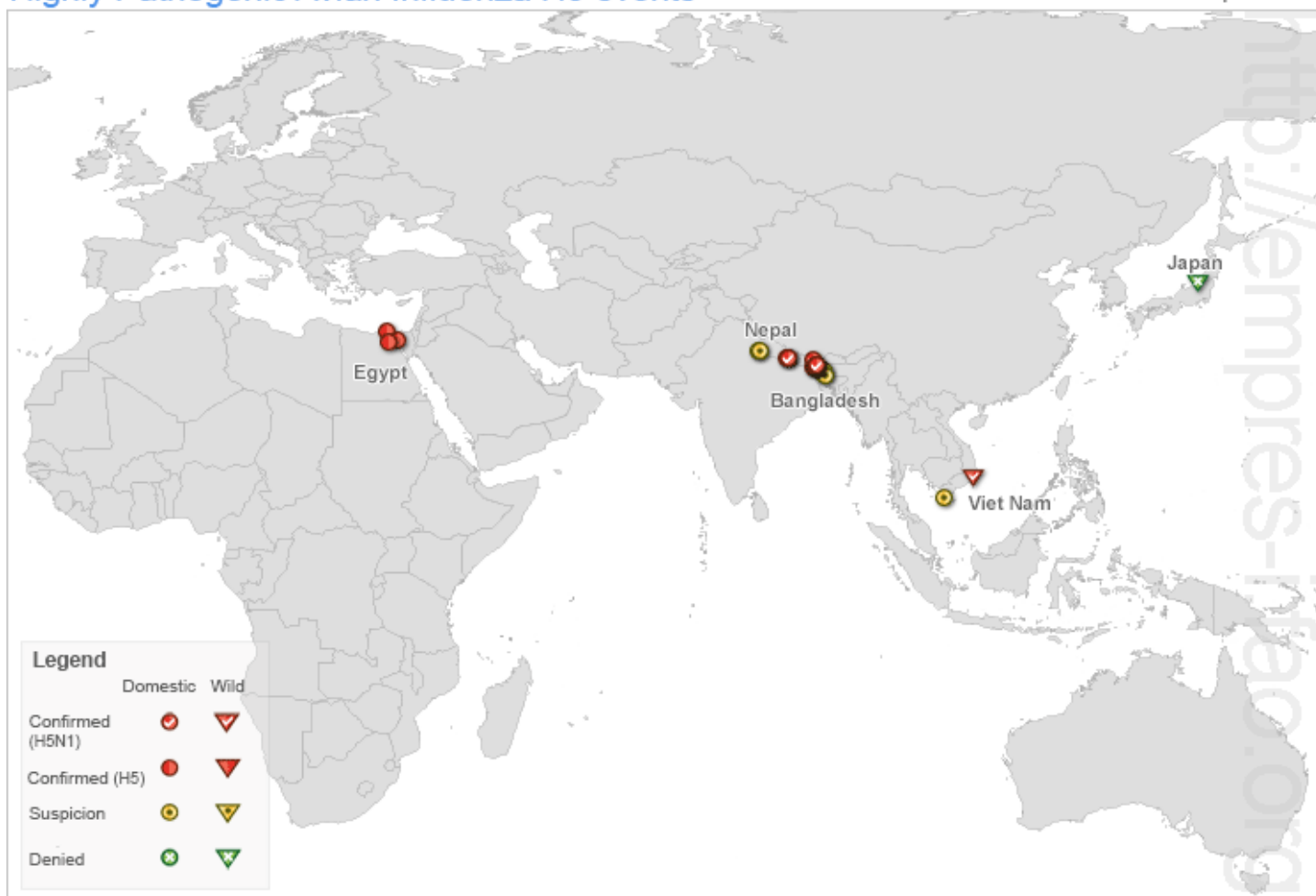


## Highly Pathogenic Avian Influenza H5 events

18 March - 18 April 2013



Note: A map of H5 HPAI events during the latest six months is shown on the last page. Information on the novel avian influenza A (H7N9) is not included in this map.

Source: FAO EMPRES-i <http://empres-i.fao.org/empres-i/home>

### WHAT'S NEW in this issue?

#### AFRICAN REGION

##### **Egypt**

- Confirmed H5N1 infection in a human (Dakalia)

#### ASIAN REGION

##### **China**

- Confirmed avian influenza A(H7N9) infections in humans (Anhui, Beijing, Jiangsu, Henan, Shanghai, Zhejiang)

##### **Nepal**

- Suspected H5N1 HPAI outbreaks in poultry (Kailali)

##### **Viet Nam**

- Confirmed H5N1 infection in captive wild birds (Ninh Thuan)

### AFRICAN REGION

#### **Egypt**

##### **OFFICIAL**

**16/04/13 – Confirmed H5N1 infection in a human, Dakalia (FAO Field Officer)**

According to the Ministry of Health and Population, a new case of H5N1 infection was reported in a 26-year old male from Elmanzala District, Dakalia Governorate; the man developed symptoms on 30 March 2013 and was admitted to a hospital on 5 April where he was in critical condition. He was then transferred to another hospital on 7 April 2013 and died on 8 April 2013. Confirmation with H5N1 infection was done by RT-PCR at Central Public Health Laboratories (NIC) and at WHO reference laboratory (NAMRU-3) on 15 April 2013. Investigations into the source of infection revealed that the case had close contact with healthy poultry (pigeons) a few days before the symptoms. Colleagues from the Veterinary services collected samples from the pigeons and the house environment, as well as from neighborhood poultry raising sites (backyards and farms).

**NOTE: UPDATED INFORMATION IS INDICATED IN RED**

## ASIAN REGION

## Bangladesh

## NON-OFFICIAL

07/04/2013 – Suspected H5N1 infection in a human, Chittagong (FAO filed Officer)

H5N1 infection was reported in a human, for the first time in Bangladesh in 2013. The government's disease monitoring arm, the Institute of Epidemiology, Disease Control and Research (IEDCR) disclosed the death after the victim's sample tested positive at the US Centre for Disease Control and Prevention (US CDC). The victim was a child under two years of age from Commilla's Chauddogram [Chittagong] who did not show any clinical signs to suggest H5N1 infection. Samples were sent to the World Health Organisation's reference laboratory, US CDC for further confirmation.

## China

## OFFICIAL

18/04/2013 – Confirmed avian influenza A(H7N9) infections in humans, Anhui, Beijing, Jiangsu, Henan, Shanghai, Zhejiang (National authorities and World Health Organisation – WHO)

As of 18 April 2013, GMT 12:00, 87 cases have been laboratory confirmed with avian influenza A(H7N9) virus in mainland China, including 18 deaths. These cases are distributed over six provinces/municipalities, namely Beijing (1 case, 0 deaths, and 1 asymptomatic infected human), Shanghai (32 cases including 11 deaths), Jiangsu (21 cases including 4 deaths), Zhejiang (27 cases including 2 deaths), Anhui (3 cases including 1 death) and Henan (3 cases, 0 deaths). The above numbers include 5 human cases identified through retrospective monitoring from March 2013, in Shanghai (3 recovered, 2 died). So far, all confirmed human infections with A(H7N9) are sporadic cases, and there is no evidence of ongoing human-to-human transmission. All contacts are under close medical observation. No epidemiological link has been identified among cases.

<http://www.moh.gov.cn/wsb/pdfgzdt/gzdt.shtml>

[http://www.who.int/influenza/human\\_animal\\_interface/avian\\_influenza/archive/en/](http://www.who.int/influenza/human_animal_interface/avian_influenza/archive/en/)

10/04/2013 – Confirmed Influenza A (H7N9) infection in humans, Anhui, Jiangsu, Shanghai and Zhejiang (National authorities and World Health Organisation – WHO)

As of 11 April 2013, GMT 12:00, a total of 38 human cases of influenza A(H7N9) were reported from Anhui (2), Jiangsu (12), Shanghai (18) and Zhejiang (6) Provinces including ten deaths in Anhui (1), Jiangsu (1), Shanghai (6) and Zhejiang (2). All contacts are under close medical observation. No epidemiological link has been identified among cases.

<http://www.moh.gov.cn/wsb/pdfgzdt/gzdt.shtml>

[http://www.who.int/influenza/human\\_animal\\_interface/avian\\_influenza/archive/en/](http://www.who.int/influenza/human_animal_interface/avian_influenza/archive/en/)

04, 05 and 10/04/2013 – Confirmed presence of Influenza A (H7N9) in domestic birds, Anhui, Jiangsu, Shanghai and Zhejiang (National authorities and World Organisation for animal Health – OIE)

Influenza A(H7N9) was detected in: 1 pigeon, 7 chickens out of 20 536 susceptible bird population in Huhai agricultural products wholesale market, Songjiang, Shanghai City; one chicken from Jingchuan market, two chickens and two pigeons from Fengzhuang market, both in Minhang, Shanghai City; total 11 samples out of 743 from Jiangsu Province (eight chickens from Gaoyou Yinqing live bird market; two chickens from Gaoyou Beihai live bird market; one chicken from Changshu City Yushan Town, Hongqiao Management District, Xinzaocun live bird market); two duck samples out of 622 from Zhebei live bird market, Huzhou City, Zhejiang Province; and one duck out of 734 samples from Huishangcheng live bird market, Hefei City, Anhui Province.

[http://www.moa.gov.cn/zwlml/yjgl/yqfb/201304/t20130405\\_3425014.htm](http://www.moa.gov.cn/zwlml/yjgl/yqfb/201304/t20130405_3425014.htm)

[http://www.moa.gov.cn/zwlml/zwdt/201304/t20130410\\_3430255.htm](http://www.moa.gov.cn/zwlml/zwdt/201304/t20130410_3430255.htm)  
[http://www.oie.int/wahis\\_2/public/wahid.php/Reviewreport/Review?pa ge\\_refer=MapFullEventReport&reportid=13225](http://www.oie.int/wahis_2/public/wahid.php/Reviewreport/Review?pa ge_refer=MapFullEventReport&reportid=13225)  
[http://www.oie.int/wahis\\_2/public/wahid.php/Reviewreport/Review?rep ortid=13238](http://www.oie.int/wahis_2/public/wahid.php/Reviewreport/Review?rep ortid=13238)  
[http://www.oie.int/wahis\\_2/public/wahid.php/Reviewreport/Review?pa ge\\_refer=MapFullEventReport&reportid=13249](http://www.oie.int/wahis_2/public/wahid.php/Reviewreport/Review?pa ge_refer=MapFullEventReport&reportid=13249)

[http://www.who.int/csr/don/2013\\_04\\_03/en/](http://www.who.int/csr/don/2013_04_03/en/)  
[http://www.who.int/csr/don/2013\\_04\\_01/en/](http://www.who.int/csr/don/2013_04_01/en/)

04/04/2013 – Confirmed H7N9 avian influenza infection in a pigeon, Shanghai (Ministry of Agriculture)

The Ministry of Agriculture Information Office reported on 4 April 2013, results of ongoing investigations following reports in some provinces of human infection with H7N9 avian influenza recently. The Ministry of Agriculture rapid deployment unit has been organizing an enhanced animal influenza monitoring. On 4 April 2013, the National Avian Influenza Reference Laboratory detected the H7N9 avian influenza virus gene sequence in dove samples sent from Shanghai, which were taken from the Shanghai Huai agricultural and by-products wholesale markets in Songjiang District, and the sequence results show that the strain was a low pathogenicity avian influenza virus, and Was highly homologous to the human isolate(s) of H7N9 avian influenza virus isolates.

<http://bdnews24.com/health/2013/04/07/first-bird-flu-death-in-5-years>

## Japan

## OFFICIAL

5/04/2013 – Denied avian influenza from a wild bird, Niigata (Ministry of Environment)

No influenza virus was isolated from the whooper swan (*Cygnus cygnus*), found dead on 15 March 2013, in Motomachi, Mituske City, Niigata Prefecture during the advanced testing Hokkaido University (see article below).

[http://www.env.go.jp/nature/dobutsu/bird\\_flu/press/130405a.html](http://www.env.go.jp/nature/dobutsu/bird_flu/press/130405a.html)

## Nepal

## OFFICIAL

08/04/2013 – Confirmed H5N1 HPAI outbreak in poultry, Chitwan (FAO filed Officer)

Samples taken from chickens at the Milan Poultry Farm in Gauriganj, Bharatpur-8, [Chitwan District] tested positive with H5N1 HPAI by the national laboratory in Nepal. The outbreak has been officially reported as a press release by the department of livestock services.

11/04/2013 – Confirmed H5N1 HPAI outbreaks in poultry, Lumbini, Mechi, Narayani (World Organisation for animal Health – OIE)

Between 12 February and 30 March 2013, there were a total of nine H5N1 HPAI outbreaks confirmed in: Chitwan, Narayani Zone (1); Nawalparasi District, Lumbini Zone (1); and Jhapa District (6) and Taplejung District (1), Mechi Zone. The outbreaks in Chitwan, Nawalparasi, and two of the six outbreaks in Jhapa, were in commercial poultry farms, the rest were in backyard poultry holdings. A total of 3 982 poultry died and the other 6 919 were destroyed.

[http://www.oie.int/wahis\\_2/public/wahid.php/Reviewreport/Review?pa ge\\_refer=MapFullEventReport&reportid=13256](http://www.oie.int/wahis_2/public/wahid.php/Reviewreport/Review?pa ge_refer=MapFullEventReport&reportid=13256)

## NON-OFFICIAL

17/04/13 – Suspected H5N1 HPAI outbreak in poultry, Kailali (media)

Kailali District Livestock Office said on 17 April 2013 that avian influenza has been confirmed in a local poultry farm in the district. The Chief of District Livestock Office said avian influenza was confirmed in a poultry farm at Gadariya VDC of Samchaur. Samples had been sent to Kathmandu for laboratory testing on 16 April 2013, after deaths of birds were reported on the farm. A team was sent to Gadariya to cull

chickens, destroy eggs and other poultry products. More than 400 adult birds and chicks were culled.

<http://www.thehimalayantimes.com/fullNews.php?headline=Bird+flu+in+Kailali+&NewsID=373187>

04/04/2013 – Suspected H5N1 HPAI outbreak in poultry, Chitwan (media)

Chickens at the Milan Poultry Farm at Gauriganj, Bharatpur-8, [Chitwan District] were found infected with H5N1 virus near the beginning of April 2013. All the infected chickens at this farm were culled.

<http://ekantipur.com/2013/04/04/national/bird-flu-tracking-mission-in-chitwan/369485.html>

## Viet Nam

### OFFICIAL

**16/04/2013 – Confirmed H5N1 infection in captive wild birds, Ninh Thuan (FAO field Officer)**

In recent days, many dead swiftlets have been found in the city of Phan Rang-Thap Tram in the southern province of Ninh Thuan. Some of the dead birds have been sent to the Regional Animal Health Office laboratory and it is confirmed that the birds were infected with H5N1 HPAI virus. The swiftlets are the White-nest Swiftlet (*Aerodramus fuciphagus*) and the Black-nest Swiftlet (*Aerodramus maximus*), these birds are raised for their edible nests. Purposely designed buildings, often in densely populated areas, provide ideal nesting conditions for the swiftlets. This is the first time H5N1 virus has been diagnosed in swiftlets in Viet Nam.

### NON-OFFICIAL

08/04/2013 – suspected H5N1 HPAI infection in a human and suspected H5N1 HPAI outbreak in poultry, Dong Thap (Media)

H5N1 HPAI infection was reported in a 4-year-old child from Dong Thap. The boy developed fever and other symptoms on 23 March after his family slaughtered a chicken bought in a village where tests later confirmed an outbreak [of H5N1 HPAI] among poultry.

<http://www.straitstimes.com/breaking-news/se-asia/story/vietnam-confirms-1st-h5n1-bird-flu-death-year-20130409>

## SUMMARY OF CONFIRMED H5N1 HPAI OUTBREAKS IN THE AFRICAN REGION

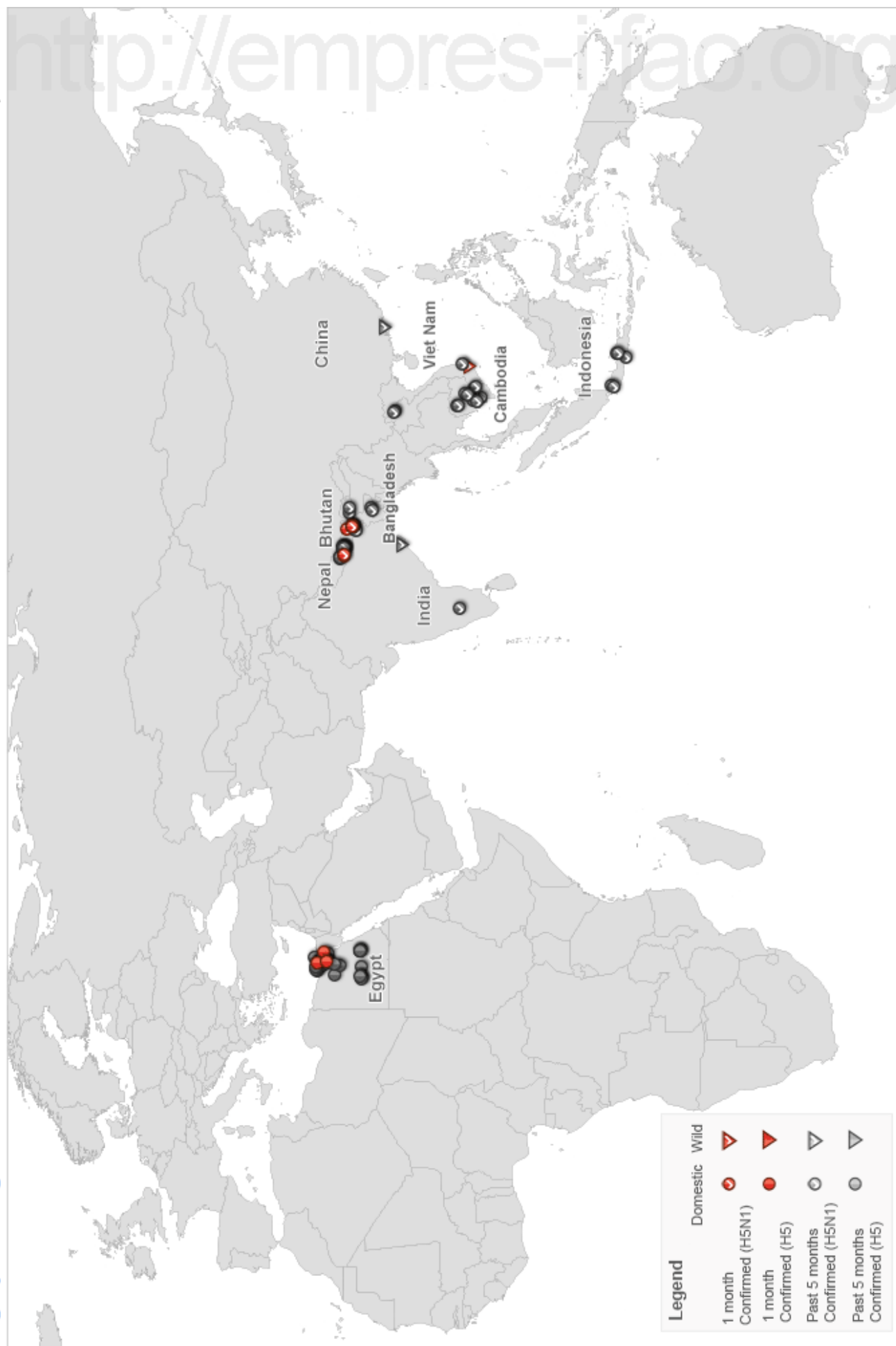
Country/Territory	First outbreak/case	Last outbreak/case	Affected populations	Human cases (cases/deaths)
Benin	Reported: 07/11/07 Oueme, Adjara	Reported: 15/12/07 Oueme, Avrankou	domestic poultry	
Burkina Faso	Observed: 02/03/06 Reported: 04/03/06 Centre-ouest, Sanguie	Reported: 20/05/06 Centre-ouest, 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: 25/03/13 Reported: 26/03/13 Giza	domestic poultry	172/62
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: 30/03/2013 Reported: 08/04/13 Chitwan	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: 06/04/13 Ninh Thuan	domestic poultry, wild birds	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	



## 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 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](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](mailto: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](mailto:GLEWS@fao.org)

**MAP:** The maps represent occurrences of confirmed or suspected cases of H5 and H5N1 reported over the last 30 days (1<sup>st</sup> map) and last six months (2<sup>nd</sup> 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.