

Reporting period: December 25 to December 31, 2011 (Week 53)
 (Published on January 4, 2012)

Summary

1. The Ministry of Health of the People's Republic of China (MoH, PRC) reported a human case of H5N1 avian influenza on December 30, 2011.
2. The Hong Kong Government has activated the Serious Response Level (SRL) since December 20, 2011. The SRL remains in force.
3. There were no new cases of H5N1 avian influenza reported by the World Health Organization (WHO) this week.
4. From 2005 to 2007, about 100 confirmed human cases of H5N1 avian influenza were reported to WHO annually. In 2008, 2009 and 2010, 44, 73 and 48 cases were reported, respectively. In 2011 (as of December 31), 58 cases were reported to WHO.

This week's update

<i>(as of Dec 31, 2011)</i>		Confirmed human cases of H5N1 avian influenza (no. of deaths)	Reports in poultry / wild birds
		Source: WHO & MoH, PRC	Source: World Organization for Animal Health (OIE)
This week	Hong Kong	0 (0)	0
	Outside HK	1 (1)	0
	Affected countries	China	-
	Details	China: The patient was a 39-year-old man living in Shenzhen. He developed symptoms on December 21 and was admitted to a hospital on December 25 because of severe pneumonia. He died on December 31 and his respiratory specimen was confirmed positive for influenza A(H5N1) virus. The man had no travel history or contact with poultry before the onset of symptoms. (<i>MoH, PRC, Dec 30, 2011</i>)	-
Cumulative since Nov. 2003	Hong Kong	1 (0)	82 dead birds confirmed H5N1 positive (Total in 2011: 11 ^b)
	Outside HK	573 (337) [@]	
	Affected countries	15 *	63 [#]

^o For further information, please visit the website of the Agriculture, Fisheries and Conservation Department: http://www.afcd.gov.hk/english/quarantine/qua_vetlab/qua_vetlab_ndr/qua_vetlab_ndr.html

[@] The human case of H5N1 avian influenza infection in Shenzhen, Guangdong province, was reported by MoH, PRC, but has not been reported by WHO and is not included in this total number of cases.

^{*} The 15 affected countries included Azerbaijan, Bangladesh, Cambodia, China (18 provinces/cities including Anhui, Beijing, Fujian, Guangdong, Guangxi, Guizhou, Hong Kong, Hubei, Hunan, Jiangsu, Jiangxi, Liaoning, Shandong, Shanghai, Shanxi, Sichuan, Xinjiang, and Zhejiang), Djibouti, Egypt, Indonesia, Iraq, Laos, Myanmar, Nigeria, Pakistan, Thailand, Turkey and Vietnam.

[#] For details of the OIE reported cases in poultry/wild birds, please visit: http://web.oie.int/eng/info_ev/en_AI_factoids_2.htm

Table 1.

Confirmed human cases of H5N1 avian influenza reported to WHO since 2003 (by onset date)[§]

	2003	2004	2005	2006	2007	2008	2009	2010	2011	Overall
Cases	4	46	98	115	88	44	73	48	58	574
Deaths	4	32	43	79	59	33	32	24	31	337
Case Fatality Rate	100%	69.6%	43.9%	68.7%	67.0%	75.0%	43.8%	50.0%	53.4%	58.7%

[§] Further breakdown by countries is available at the government website “Prevention of Avian Influenza” (<http://www.info.gov.hk/info/flu/eng/global.htm>)

Table 2.

Countries/areas with confirmed H5N1 avian influenza cases in the past 6 months

WHO Region	Date of last report	Country	In the past 6 months, H5N1 avian influenza infections were confirmed in		
			Human	Poultry	Wild bird
Western Pacific	30/12/2011	China (Guangdong)	✓[@]		
	20/12/2011	China (Hong Kong)		✓[#]	✓[*]
	12/12/2011	China (Tibet)		✓	
	10/11/2011	Vietnam		✓	
	07/11/2011	Cambodia	✓	✓	✓
	13/10/2011	Iran		✓	
South-East Asia	02/12/2011	Nepal		✓	
	15/11/2011	Indonesia ^{&}	✓	✓	
	19/09/2011	India		✓	
	21/12/2011	Bangladesh		✓	
Eastern Mediterranean	21/12/2011	Egypt ^{&}	✓		
Africa	05/12/2011	South Africa [^]		✓	
Europe	--	--			
The Americas	--	--			

[@] A human case of H5N1 avian influenza infection in Shenzhen, Guangdong province, was reported by MoH, PRC. (Source: MoH, PRC)

[#] A chicken carcass sample taken from the Cheung Sha Wan Temporary Wholesale Poultry Market was tested positive for H5N1 avian influenza virus. (Source: AFCD)

^{*} The latest H5N1 positive wild bird collected in Hong Kong was an Oriental magpie robin found in Tin Shui Wai. (Source: AFCD) For further information, please visit the website of AFCD:

http://www.afcd.gov.hk/english/quarantine/qua_vetlab/qua_vetlab_ndr/qua_vetlab_ndr.html

[&] OIE has reported that H5N1 avian influenza is endemic in poultry in these countries.

[^] Avian influenza of H5N2 subtype was reported on commercial ostrich farms in South Africa.

Note: Check marks in bold “**✓**” indicate occurrence of the most recent case.

Table 3.

Confirmed human cases of H5N1 avian influenza reported to WHO since 2003

Country	Cumulative no. of cases (December 2003 to December 2011)	No. of recent cases (September to December 2011)
Azerbaijan	8	0
Bangladesh	3	0
Cambodia	18	2
China	40	0
Djibouti	1	0
Egypt	156	6
Indonesia	182	4
Iraq	3	0
Laos	2	0
Myanmar	1	0
Nigeria	1	0
Pakistan	3	0
Thailand	25	0
Turkey	12	0
Vietnam	119	0
Overall	574[@]	12

[@] The human case of H5N1 avian influenza infection in Shenzhen, Guangdong province, was reported by MoH, PRC, but has not been reported by WHO and is not included in this total number of cases.

Table 4.

Details of the recent confirmed human cases of H5N1 avian influenza reported to WHO (September to December 2011)

Date of report by WHO	Country	Province	District	Sex	Age	Outcome at the time of reporting
30/12/2011 [@]	China	Guangdong	Shenzhen	M	39	Fatal
21/12/2011	Egypt	Dakahlia	-	M	29	Fatal
15/12/2011	Egypt	Dakahlia	-	F	-	Fatal
15/12/2011	Egypt	Dakahlia	-	-	-	Stable condition
29/11/2011	Egypt	Dakahlia	Meet Salseel	F	31	Critical condition
15/11/2011	Indonesia	Bali	Bangli	F	29	Fatal
02/11/2011	Egypt	Gharbia	Mahala	M	1	Recovered
26/10/2011	Indonesia	Bali	Bangli	F	5	Fatal
26/10/2011	Indonesia	Bali	Bangli	M	10	Fatal
10/10/2011	Indonesia	DKI Jakarta	West Jakarta	F	1	Fatal
19/08/2011	Cambodia	Kampong Cham	Cheung Prey	F	6	Fatal
09/08/2011	Egypt	Behira	Demnhoor	F	6	Recovered
02/08/2011	Cambodia	Banteay Meanchey	Mongkul Borei	F	4	Fatal

[@] A human case of H5N1 avian influenza infection in Shenzhen, Guangdong province, was reported by MoH, PRC. (Source: MoH, PRC)

Avian Influenza Report is a weekly report produced by the Respiratory Disease Office of the Centre for Health Protection when the alert response level under the Government's Preparedness Plan for Influenza Pandemic in Hong Kong has been activated. This report highlights global avian influenza activity in humans and birds.