

## Avian Influenza H5N1 – Family Clusters

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Case No.	Date	Country	Sex	Age (Years)	Diagnosis	Family relation	Death / Recover	Reference
1-a	Jan-Feb 2003	Hong Kong (China)	F	7	NT	Father & Daughter & son	D	Peiris et al., 2004
1-b			M	33	H5N1		D	
1-c			M	8	H5N1		R	
2-a	Dec '03 - Jan 2004	Vietnam	F	12	H5N1	Mother & daughter	D	Olsen et al., 2005 (Cluster 1) Tran et al. 2004
2-b			F	30	H5N1		D	
3-a	Dec '03 - Jan 2004	Vietnam	F	7	NT	Siblings	D	Olsen et al., 2005 (Cluster 2) Tran et al. 2004
3-b			M	5	H5N1		D	
4-a	Jan 2004	Vietnam	M	31	NT	Husband & wife and his two sisters	D	Olsen et al., 2005 (Cluster 3) Avian influenza A(H5N1) - update 14 (WHO, 1 February 2004)
4-b			F	28	H5N1		R	
4-c			F	23	H5N1		D	
4-d			F	30	H5N1		D	
5-a	Jan-Feb 2004	Vietnam	F	9	NT	Siblings	D	De Jong et al. (2005)
5-b			M	4	H5N1		D	
6-a	July 2004	Vietnam	M	19	NT	Case a and c are siblings; case b is a cousin	D	Olsen et al., 2005 (Cluster 5)
6-b			F	22	NT		D	
6-c			F	25	H5N1		D	
7-a	Sept 2004	Thailand	F	11	NT	The two death cases are mother and daughter. The two adult females are sisters, and the male is the son of the 32 years old woman.	D	Avian influenza – situation in Thailand (WHO, 28 September 2004)
7-b			F	26	H5N1		D	
7-c			F	32	H5N1		R	
7-d			M		NT		R	

8-a	Jan 2005	Vietnam	M	46	H5N1	Brothers	D	Olsen et al., 2005 (Cluster 7) Avian influenza – situation in Viet Nam – update 6 (WHO, 26 January 2005)
8-b			M	42	H5N1		R	
8-c			M	35	H5N1		No clinical signs	
9-a	Jan 2005	Vietnam	M	17	H5N1	Siblings	D	Olsen et al., 2005 (Cluster 8)
9-b			F	22	NT		?	
10-a	Jan 2005	Vietnam	F	35	H5N1	Mother & daughter	D	Olsen et al., 2005 (Cluster 9)
10-b			F	13	H5N1		D	
11-a		Cambodia	M	14	NT	Siblings	D	Olsen et al., 2005 (Cluster 10) Avian influenza – situation in Cambodia - update 9 (WHO, 9 February 2005)
11-b			F	25	H5N1		D	
12-a	Feb 2005	Vietnam	M	21	H5N1	Siblings	D	Olsen et al., 2005 (Cluster 11) Avian influenza – situation in Viet Nam - update 10 (WHO, 7 March 2005)
12-b			F	14	H5N1		D	
12-c			M	26	H5N1	Nurse that took care of 12-a	R	
12-d			M	80	H5N1	Grandfather of a, 12-b	No clinical signs	
13-a	March 2005	Vietnam	M	35	H5N1	Father mother & 3 daughters		Avian influenza – situation in Viet Nam - update 14 (WHO, 4 April 2005)
13-b			F	33	H5N1			
13-c			F	13	H5N1			
13-d			F	10	H5N1			
13-e			F	4 months	H5N1			
14-a	July 2005	Indonesia	F	8	H5N1	Father & two daughters	D	Olsen et al., 2005 (Cluster 15). Avian influenza – situation in Indonesia – update 25 (WHO, 21 July 2005)
14-b			F	1	NT		D	
14-c			M	38	H5N1		D	
15-a	August 2005	Indonesia	F	37	H5N1	A boy and his aunt	D	Kandun et al., 2006 (Cluster 2)
15-b			M	9	H5N1		D	
16-a	Sept-Oct 2005	Indonesia	M	5	H5N1	Siblings	R	Avian influenza – situation in Indonesia - update 2 (WHO, 6 February 2006)
16-b			M	20	H5N1		R	

17-a	Sept 2005	Indonesia	M	21	H5N1	17-c is brother of 17-a; 17-b is son of the sister of 17-a and 17-c	R	Avian influenza – situation in Thailand, Indonesia – update 36 (WHO, 24 October 2005); Kandun et al., 2006 (Cluster 3)
17-b			M	4	H5N1		R	
17-c			M	5	H5N1		R	
18-a	Oct 2005	China	F	12	NT	Siblings	D	Yu et al. (2006)
18-b			M	9	H5N1		R	
19-a	Oct 2005	Thailand	M	48	H5N1	Father & son	D	Avian influenza – situation in Thailand, Indonesia – update 36 (WHO, 24 October 2005)
19-b			M	7	H5N1		R	
20-a	Oct 2005	Indonesia	F	19	H5N1	Siblings	D	Avian influenza – situation in Indonesia – update 38 (WHO, 7 November 2005)
20-b			M	8	H5N1		D	
21-a	Nov 2005	Indonesia	M	7	NT	Siblings	D	Avian influenza – situation in Indonesia, China – update 44 (WHO, 29 November 2005)
21-b			M	20	NT		D	
21-c			M	16	H5N1		R	
22-a	Jan 2006	Turkey	M	14	H5N1	Siblings	D	Avian influenza – situation in Turkey – update (WHO, 7 January 2006)
22-b			F	15	H5N1		D	
22-c			F	12	H5N1		D	
22-d			M	6	H5N1		R	
23-a	Jan 2006	Turkey	M	5	H5N1	Siblings	R	Avian influenza – situation in Turkey - update 2 (WHO, 9 January 2006)
23-b			M	2	H5N1		R	
24-a	Jan 2006	Turkey	F	9	H5N1	Siblings	R	Avian influenza – situation in Turkey - update 2 (WHO, 9 January 2006)
24-b			M	3	H5N1		R	
25-a	Jan 2006	Turkey	F	14	H5N1	Siblings	D	Avian influenza – situation in Turkey - update 5 (WHO, 16 January 2006)
25-b			M	5	H5N1		R	
26-a	Jan 2006	Indonesia	F	13	H5N1	Father & 3 sons	D	Avian influenza – situation in Indonesia – update (WHO, 23 January 2006)
26-b			M	4	H5N1		D	
26-c			F	14	?		R	
26-d			M	43	?		R	
27-a	Jan 2006	Iraq	F	15	H5N1	A man and his nephew	D	Avian influenza – situation in Iraq (WHO, 30 January 2006)
27-b			M	39	H5N1		D	
28-a	Feb 2006	Indonesia	F	12	H5N1	Siblings	D	Avian influenza – situation in Indonesia - update 7 (WHO, 13 March 2006)
28-b			M	10	NT		D	

29-a	March 2006	Azerbaijan	F	17	H5N1	Cousin of b and 28-c	D	Avian influenza, situation in Azerbaijan - update 2 (WHO, 11 March 2006)
29-b			F	20	H5N1	Siblings	D	
29-c			M	16	H5N1		D	
29-e			F	17	H5N1	A family friend	D	
30-a	March-Apr 2006	Egypt	F	6	H5N1	Sisters	R	Avian influenza, situation in Egypt - update 2 (WHO, 3 April 2006)
30-b			F	1.5	H5N1		R	
31-a	March-Apr 2006	Azerbaijan	F	17	H5N1	cousins	R	Avian influenza, situation in Azerbaijan - update 3 (WHO, 11 April 2006)
31-b			F	15	H5N1			
32-a	May 2006	Indonesia	F	37	NT	Index case (Mother)	D	Avian influenza – situation in Indonesia - update 12 (WHO, 18 May 2006)
32-b			M	15	H5N1	Son	D	
32-c			M	17	H5N1	Son	D	
32-d			F	28	H5N1	Sister	D	
32-e			F	1.5	H5N1	Daughter of 31-d	D	
32-f			M	10	H5N1	Nephew	D	
32-g			M	25	H5N1	Brother	R	
33-a	May 2006	Indonesia	F	15	H5N1	Siblings	D	Avian influenza – situation in Indonesia - update 31 & 15 (WHO, 14 September & 29 May 2006)
33-b			M	27	H5N1		R	
34-a	May 2006	Indonesia	M	10	NT	Siblings	D	Avian influenza – situation in Indonesia - update 19 (WHO, 15 June 2006)
34-b			F	7	H5N1		D	
35-a	August 2006	Indonesia	M	17	H5N1	Cousins	R	Avian influenza – situation in Indonesia - update 27 (WHO, 17 August 2006)
35-b			M	20	NT		D	
36-a	August 2006	Indonesia	F	35	H5N1	Mother	D	Avian influenza – situation in Indonesia - update 28 (WHO, 21 August 2006)
36-b			F	9	NT		Daughter	
37-a	September 2006	Indonesia	F	21	H5N1	Siblings	R	Avian influenza – situation in Indonesia - update 32 (WHO, 25 September 2006); Avian influenza – situation in Indonesia - update 35 (WHO, 3 October 2006);
37-b			M	11	H5N1		D	
38-a	September 2006	Indonesia	M	24	H5N1	Brothers	D	Avian influenza – situation in Indonesia - update 33 (WHO, 27 September 2006); Avian influenza – situation in Indonesia - update 34 (WHO, 28 September 2006);
38-b			M	20	H5N1		D	
39-a	December 2006	Egypt	F	30	H5N1	Cousin	D	Avian influenza in Egypt (WHO, 27 December, 2006)
39-b			F	16	H5N1	Siblings	D	
39-c			M	26	H5N1		D	
40-a	January 2007	Indonesia	F	37	H5N1	Mother and Son	D	Avian influenza – situation in Indonesia - update 2 (WHO, 12 January 2007); Avian influenza – situation in Indonesia - update 3 (WHO, 15 January 2007);
40-b			M	18	H5N1			

41-a	January 2007	Nigeria	F	22	H5N1	Daughter	D	Avian influenza – situation in Nigeria (WHO, 31 January 2007)
41-b			F	?	NT	Mother	D	
42-a	March 2007	Egypt	F	6	H5N1	Siblings		Avian influenza in Egypt – Update 13 (WHO, 2 April, 2007)
42-b			M	4	H5N1			
43-a	August 2007	Indonesia	F	29	H5N1	Mother	D	Avian influenza – situation in Indonesia - update 13 (WHO, 14 August 2007)
43-b			F	5	NT	Daughter	D	
44-a	December 2007	China	M	24	H5N1	Father and Son	D	Avian influenza in China – Update 5 (WHO, 9 December, 2007)
44-b			M	52	H5N1		R	
45-a	October- November 2007	Pakistan	M		H5N1	Brothers	R	Avian influenza situation in Pakistan – Update 2 (WHO, 3 April, 2008)
45-b			M		?		D	
45-c			M		H5N1		D	
45-d			M		H5N1		R	
46-a	January- February 2008	Indonesia	F	38	H5N1	Mother and Daughter	R	Avian influenza situation in Indonesia – Update 39 (WHO, 12 February, 2008)
46-b			F	15	H5N1		R	
47-a	February 2011	Cambodia	F	19	H5N1	Mother and Son	D	Avian influenza situation in Cambodia – Update (WHO, 25 February, 2011)
47-b			M	11 months	H5N1		D	
48-a	March 2011	Indonesia	F	31	H5N1	Mother and Daughter	D	Avian influenza – situation in Indonesia - update 2 (WHO, 25 March, 2011)
48-b			F	2	H5N1		R	
49-a	October 2011	Indonesia	M	10	H5N1	Siblings	D	Avian influenza – situation in Indonesia - update 7 (WHO, 26 October, 2011); Avian influenza – situation in Indonesia - update 8 (WHO, 15 November, 2011)
49-b			F	5	H5N1		D	
49-c			F	29	H5N1		D	
50-a	December 2011	Egypt	F		H5N1	Mother and Son	D	Avian influenza – situation in Egypt - update 58 (WHO, 15 December, 2011);
50-b			M		H5N1		R	
51-a	February 2014	Cambodia	M	7	H5N1	Siblings	D	12 Feb Xinhua news
51-b			F	3	H5N1		D	
52-a	December 2014	Egypt	M	3	H5N1	Siblings		WHO
52-b			F	6	H5N1			
52-c			F				Mother	

Epidemic and Pandemic Alert and Response (EPR) - Situation updates - Avian influenza  
[http://www.who.int/csr/disease/avian\\_influenza/updates/en/index.html](http://www.who.int/csr/disease/avian_influenza/updates/en/index.html)