

## Supplementary webappendix

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**Supplementary Table 1.** Epidemiological characteristics of patients with laboratory-confirmed human infection by avian influenza A(H7N9) virus (as of 26 June 2013).

Case	Sex/age	Place of diagnosis	Occupation / contact history	Date of symptom onset	Time between symptom onset & laboratory diagnosis (days)	Clinical condition (days after symptom onset) <sup>§</sup>	Symptomatic close contacts
1	M/87	Shanghai	Retired; 2 sons had pneumonia, 1 of whom died	18 Feb 13	38	Dead (14)	2 sons had pneumonia (case 77 survived and the other died) 1 contact of case 1 or 2 had fever, sore throat and runny nose
2	M/27	Shanghai	Pork seller	27 Feb 13	30	Dead (11)	1 contact of case 1 or 2 had fever, sore throat and runny nose
3	F/35	Anhui	Housewife; visited poultry market	13 Mar 13	14	Dead (27)	0
4	F/45	Jiangsu	Abattoir worker	19 Mar 13	11	Critical	0/49
5	F/48	Jiangsu	Lumber worker	19 Mar 13	11	Critical	0/60
6	M/83	Jiangsu	?	20 Mar 13	12	Dead (20)	0/15
7	F/32	Jiangsu	Unemployed	21 Mar 13	10	Dead (34)	0/43
8	M/38	Zhejiang	Chef	7 Mar 13	25	Dead (20)	0/125
9	M/68	Zhejiang	Retired, contacted poultry	25 Mar 13	15	Critical	0/58
10	M/64	Zhejiang	Farmer	29 Mar 13	6	Dead (7)	0/55
11	M/48	Shanghai	Poultry transport worker	28 Mar 13	7	Dead (6)	0/8
12	F/67	Shanghai	Retired	22 Mar 13	13	Dead (22)	0/3
13	F/52	Shanghai	Retired	27 Mar 13	7	Dead (7)	1/31 (case 47)
14	M/4	Shanghai	Kindergartener	31 Mar 13	2	Discharged (10)	0/18
15	F/61	Jiangsu	Retired	20 Mar 13	16	Critical	0/12
16	M/79	Jiangsu	Retired	21 Mar 13	15	Critical	0/53
17	M/74	Shanghai	Farmer	28 Mar 13	9	Dead (14)	0/5
18	M/66	Shanghai	Retired	29 Mar 13	8	Critical, discharged (20)	0/6
19	M/59	Shanghai (from Anhui)	Retired	25 Mar 13	12	Dead (67)	0/4
20	M/67	Shanghai	?	29 Mar 13	9	Stable	0/2

21	M/55	Anhui	Animal market and abattoir worker	28 Mar 13	9	Stable	0/12
22	M/64	Shanghai	Retired	1 Apr 13	6	Dead (6)	0/4
23	M/85	Jiangsu	Retired	28 Mar 13	11	Critical	0/34
24	F/25	Jiangsu	Unemployed, pregnant	30 Mar 13	9	Critical	0/18
25	F/51	Zhejiang	Retired, bought market poultry	13 Mar 13	25	Stable	?
26	M/79	Zhejiang	Retired	29 Mar 13	11	Critical	?
27	M/62	Shanghai	Retired	1 Apr 13	7	Stable	0/5
28	M/77	Shanghai	Retired	3 Apr 13	6	Dead (11)	0/5
29	M/65	Zhejiang	Farmer	3 Apr 13	7	Stable	?
30	M/70	Jiangsu	?	29 Mar 13	12	Critical	0/18
31	M/74	Jiangsu	?	2 Apr 13	8	Critical	0/13
32	F/76	Shanghai	Retired	1 Apr 13	8	Stable	0/4
33	F/81	Shanghai	Farmer	4 Apr 13	5	Stable	0/5
34	M/31	Jiangsu	Chef	31 Mar 13	11	Critical	0/19
35	M/56	Jiangsu	Teacher	4 Apr 13	7	Critical	0/33
36	M/74	Shanghai	Retired	31 Mar 13	10	Dead (11)	0/7
37	F/83	Shanghai	Retired	2 Apr 13	8	Stable	0/44
38	M/68	Shanghai	Retired	4 Apr 13	6	Stable	0/19
39	M/53	Shanghai	Freelancer	3 Apr 13	8	Critical	0/3
40	M/86	Shanghai	Retired	3 Apr 13	8	Dead (18)	0/13
41	M/66	Zhejiang	Retired	8 Apr 13	4	Stable	?
42	M/74	Zhejiang	Retired	6 Apr 13	6	Stable	?
43	F/54	Zhejiang	Farmer	6 Apr 13	6	Stable	?
44	F/7	Beijing	Student	11 Apr 13	1	Mild, discharged (6)	1/24 (case 64)
45	F/77	Jiangsu	?	5 Apr 13	8	Dead (9)	0/7
46	M/72	Jiangsu	?	1 Apr 13	12	Critical	0/9
47	M/56	Shanghai	Husband of case 13	1 Apr 13	9	Dead (86)	0/4
48	M/65	Zhejiang	Retired	3 Apr 13	10	Critical	?
49	M/38	Zhejiang	Worker	6 Apr 13	7	Critical	?
50	M/34	Henan	Chef	6 Apr 13	5	Critical	Case 50 & 51: 0/19
51	M/65	Henan	Farmer	8 Apr 13	3	Stable	Case 50 & 51: 0/19
52	F/64	Zhejiang	Farmer	6 Apr 13	$\leq 8^*$	Critical	?
53	F/62	Zhejiang	Retired	29 Mar 13	$\leq 16^*$	Dead (22)	?
54	M/75	Zhejiang	Retired	9 Apr 13	$\leq 5^*$	Critical	?
55	M/79	Zhejiang	Retired	9 Apr 13	$\leq 85^*$	Critical	?

56	M/50	Jiangsu	?	1 Apr 13	$\leq 13^*$	?	0/8
57	M/26	Jiangsu	?	8 Apr 13	6	Recovered (18)	0/21
58	M/73	Shanghai	Retired	5 Apr 13	8	Stable	0/9
59	M/54	Shanghai	Freelancer	8 Apr 13	5	Stable	0/9
60	M/78	Shanghai	Retired	4 Apr 13	9	Stable	0/7
61	M/60	Jiangsu	?	6 Apr 13	9	Dead (10)	0/3
62	F/68	Zhejiang	Farmer	3 Apr 13	$\leq 12^*$	Critical	?
63	M/60	Anhui	Retired security guard	10 Apr 13	4	Critical	0/25
A1	M/4	Beijing	Contact of case 44, parents sell poultry and pork	NA	NA	Asymptomatic	?
64	M/56	Jiangsu	?	?	NA	Critical	0/7
65	F/21	Jiangsu	?	?	NA	Critical	0/12
66	M/72	Jiangsu	?	?	NA	Critical	0/6
67	M/56	Zhejiang	Meat and pigeon seller	12 Apr 13	$\leq 4^*$	Critical	?
68	M/57	Zhejiang	Unemployed	10 Apr 13	$\leq 6^*$	Critical	?
69	F/58	Zhejiang	Farmer	11 Apr 13	$\leq 5^*$	Critical	?
70	F/72	Zhejiang	Retired	10 Apr 13	$\leq 6^*$	Critical	?
71	M/62	Zhejiang	Retired	10 Apr 13	$\leq 6^*$	Critical	?
72	M/47	Shanghai	?	10 Apr 13	5	Critical	0/21
73-75 <sup>†</sup>	?	Shanghai	?	March	$\leq 15^†$	2 dead, 1 recovered	0/34
76 <sup>†</sup>	M/>60	Shanghai	?	March	$\leq 15^†$	Recovered	Son of case 1
77 <sup>†</sup>	Child/2	Hunan (from Shanghai)	Student	17 Mar 13	29	Discharged (5)	0/9
78	M/89	Shanghai	?	12 Apr 13	4	Stable	0/9
79	F/37	Zhejiang	Farmer	?	NA	Critical	?
80	M/74	Zhejiang	Retired	?	NA	Critical	?
81	M/86	Zhejiang	Retired	?	NA	Dead	?
82	M/41	Zhejiang	Civil servant	?	NA	Discharged	?
83	M/38	Henan	Butcher	?	NA	Critical	0/7
84	F/26	Jiangsu	?	?	NA	Critical	0/5
85	F/80	Shanghai	?	9 Apr 13	8	Stable	0/7
86	F/54	Zhejiang	Self-employed	13 Apr 13	4	Critical	?
87	M/69	Zhejiang	Retired	11 Apr 13	6	Dead (8)	?
88	M/54	Jiangsu	?	9 Apr 13	8	Critical	0/4
89	M/43	Zhejiang	Unemployed	12 Apr 13	6	Critical	?

90	M/48	Zhejiang	Office worker	11 Apr 13	8	Critical	?
91	F/66	Zhejiang	Farmer	10 Apr 13	9	Critical	?
92	M/43	Jiangsu	?	7 Apr 13	13	Critical	0/23
93	M/56	Zhejiang	Farmer	11 Apr 13	8	Critical	?
94	F/35	Zhejiang	Worker	14 Apr 13	5	Critical	?
95	M/37	Zhejiang	Driver	30 Mar 13	20	Critical	?
96	F/75	Shanghai	?	13 Apr 13	6	Stable	0/15
97	F/68	Zhejiang	Farmer	12 Apr 13	$\leq 9^*$	Critical	?
98	M/76	Zhejiang	Farmer	8 Apr 13	$\leq 13^*$	Dead (13)	?
99	F/81	Zhejiang	Unemployed	12 Apr 13	$\leq 9^*$	Critical	?
100	M/58	Zhejiang	Unemployed	16 Apr 13	$\leq 5^*$	Critical	?
101	F/79	Zhejiang	Farmer	13 Apr 13	$\leq 8^*$	Critical	?
102	M/68	Jiangsu	Retired	13 Apr 13	7	Critical	0/3
103	F/54	Zhejiang	Office worker	16 Apr 13	$\leq 6^*$	Mild	?
104	M/32	Zhejiang	Farmer	14 Apr 13	$\leq 8^*$	Mild	?
105	M/36	Shandong	Construction material wholesaler	15 Apr 13	7	Critical	0/9
106	M/91	Anhui	Retired	14 Apr 13	8	Critical	0/35
107	M/84	Zhejiang	Retired	15 Apr 13	$\leq 8^*$	Critical	?
108	M/62	Zhejiang	Farmer	15 Apr 13	$\leq 8^*$	Critical	?
109	M/53	Taipei, Taiwan (from Jiangsu)	Businessman	12 Apr 13	12	Discharged (42)	0/3
110	M/56	Henan	?	17 Apr 13	8	Critical	0/7
111	F/60	Zhejiang	Farmer	17 Apr 13	8	Critical	?
112	F/50	Zhejiang	Farmer	18 Apr 13	7	Critical	?
113	M/69	Jiangxi	Retired	19 Apr 13	6	Critical	0/14
114	M/38	Zhejiang	Farmer	17 Apr 13	9	Critical	?
115	M/65	Fujian	?	18 Apr 13	8	Critical	0/37
116	M/49	Jiangsu	?	17 Apr 13	9	Mild	?
117	M/36	Jiangsu	?	19 Apr 13	7	Critical	?
118	M/60	Jiangsu	?	8 Mar 13	49	Critical	?
119	F/76	Jiangxi	Farmer	19 Apr 13	7	Critical	0/10
120	F/64	Hunan	?	14 Apr 13	13	Critical	0/41
121	M/54	Jiangxi	Pork seller	15 Apr 13	12	Critical	0/51
122	M/80	Jiangxi	Farmer	21 Apr 13	7	Stable	0/8
123	F/31	Jiangxi	Vegetable seller	23 Apr 13	5	Critical	0/11

124	M/4	Shandong	?	27 Apr 13	1	Stable	?
125	M/80	Fujian	Farmer	17 Apr 13	11	Critical	0/33
126	M/38	Zhejiang	Farmer	18 Apr 13	10	Critical	?
127	M/58	Fujian	Transport worker	21 Apr 13	9	Critical	?
128	M/69	Hunan	Farmer	23 Apr 13	8	Critical	0/50
129	M/69	Fujian	Farmer	29 Apr 13	5	Critical	0/9
130	M/9	Fujian	?	26 Apr 13	10	Recovered	?
131	F/79	Jiangxi	Farmer	3 May 13	4	Stable	0/11
132	M/6	Beijing	?	21 May 2013	7	Discharged (10)	0/58

**Abbreviations:** A1, asymptomatic case 1; NA, not applicable; ?, not reported

\*Date of reporting by Ministry of Health of China used because date of laboratory diagnosis was not available.

†Cases 73-77 were diagnosed retrospectively from archived specimens.

‡The exact date of symptom onset was not available.

§: A total of 40 fatalities were reported as of 26 June 2013, but the identities of some patients were not specified.

**Supplementary Table 2.** Origin of the sequences of 2013/A(H7N9) obtained from GISAID in Table 2. We gratefully acknowledge the authors, originating and submitting laboratories of the sequences from GISAID's EpiFlu™ Database on which this research is based. The list is detailed below.

Segment ID	Segment	Country	Collection date	Isolate name	Originating laboratory	Submitting laboratory	Authors
EPI439504	PB2	China	2013	A/Anhui/1/2013	N/A	WHO Chinese National Influenza Center	N/A
EPI439508	PB1	China	2013	A/Anhui/1/2013	N/A	WHO Chinese National Influenza Center	N/A
EPI439507	H	China	2013	A/Anhui/1/2013	N/A	WHO Chinese National Influenza Center	N/A
EPI439509	N	China	2013	A/Anhui/1/2013	N/A	WHO Chinese National	N/A

						Influenza Center	
EPI439506	MP	China	2013	A/Anhui/1/2013	N/A	WHO Chinese National Influenza Center	N/A
EPI439510	NS	China	2013	A/Anhui/1/2013	N/A	WHO Chinese National Influenza Center	N/A
EPI439495	PB2	China	2013	A/Shanghai/2/2013	N/A	WHO Chinese National Influenza Center	N/A
EPI439501	PB1	China	2013	A/Shanghai/2/2013	N/A	WHO Chinese National Influenza Center	N/A
EPI439502	H	China	2013	A/Shanghai/2/2013	N/A	WHO Chinese National Influenza Center	N/A
EPI439500	N	China	2013	A/Shanghai/2/2013	N/A	WHO Chinese National Influenza Center	N/A
EPI439497	MP	China	2013	A/Shanghai/2/2013	N/A	WHO Chinese National Influenza Center	N/A
EPI439499	NS	China	2013	A/Shanghai/2/2013	N/A	WHO Chinese National	N/A

						Influenza Center	
EPI439488	PB2	China	2013	A/Shanghai/1/2013	N/A	WHO Chinese National Influenza Center	N/A
EPI439489	PB1	China	2013	A/Shanghai/1/2013	N/A	WHO Chinese National Influenza Center	N/A
EPI439486	H	China	2013	A/Shanghai/1/2013	N/A	WHO Chinese National Influenza Center	N/A
EPI439487	N	China	2013	A/Shanghai/1/2013	N/A	WHO Chinese National Influenza Center	N/A
EPI439493	MP	China	2013	A/Shanghai/1/2013	N/A	WHO Chinese National Influenza Center	N/A
EPI439494	NS	China	2013	A/Shanghai/1/2013	N/A	WHO Chinese National Influenza Center	N/A

N/A: not available

\*All submitters of data may be contacted directly via the GISAID website [www.gisaid.org](http://www.gisaid.org)