

The objective of the bulletin is to report new health events occurring outside and inside EpiSouth area that have potential implications on EpiSouth population. It does not aim to provide an exhaustive review of international alerts. Since 2006, The French public health Institute (InVS) is issuing an online epidemic intelligence bulletin (Bulletin hebdomadaire International - BHI). In order to limit duplication and to make this already verified information available to a larger audience, information relating to health events of interest for EpiSouth population are translated and integrated in the relevant e-web sections. Despite all verifications, WP6 team would not be responsible for potential errors. The recipient is responsible for the cautious use of this information. Neither the European Commission nor any person acting on behalf of the Commission is liable for the use that may be made of the information contained in this report. Data maps and commentary used in this document do not imply any opinion of EpiSouth countries or its partners on the legal status of the countries and territories shown or concerning their borders.

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**INDEX e-WEB n°263**

- **A(H5N1) Human influenza - None**
- **A(H5N1) Avian influenza – None**
- **“INSIDE” events: None**
- **“OUTSIDE” events: Avian influenza A(H7N9) – China**

<b>Location:</b> World	<b>Event:</b> A(H5N1) –Human A(H5N1) – Epizootic	<u><a href="#">Comments</a></u>
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**No event reported this week.**

***REPORT OF NEW HEALTH EVENTS OCCURRING OUTSIDE THE EPISOUTH AREA***

<b>Location:</b> China	<b>Event:</b> A(H7N9) influenza	<u><a href="#">Comments</a></u>
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- On 03<sup>rd</sup> and 04<sup>th</sup> April 2013, Chinese health authorities reported a total of 11 human cases (including 4 deaths) of A(H7N9) influenza virus infections in 4 different provinces (cf. Table 1 and map 1).

**In Shangai and Anhui province**

- On 1<sup>st</sup> April 2013, a total of 3 human infections (including 2 deaths) was reported to WHO, in these provinces :
  - 2 males (aged 87 and 27 years-old), with symptoms onset end of February 2013. Both died on 4<sup>th</sup> and 10<sup>th</sup> March 2013 respectively.
  - 1 woman, resident in Anhui (province border to Shangai) with symptoms onset on 15/03/2013. She is in severe condition and hospitalised in Jiangsu.
- There is no epidemiological link between these 3 cases.
- For only one of the three cases, contacts with dead poultry have been reported (the case from Anhui). The 27 year old man is working as a butcher in a market.
- In total, 88 case-contacts have been identified. Investigations are ongoing.

- Cases of A (H7N9) infections have already been reported in the literature in birds in Europe and the United States. However, no human cases infected with A (H7N9) have been described to date.
- In mainland China, human cases of influenza A (H9N2) infections have been reported: Guangdong Province and Hong Kong in 2009 (cf. eWEB n°85).
- To date, the source of contamination or probable exposure is currently unknown. Currently, no A (H7N9) or A (H9N2) epizooties have been reported in birds or in other animals in this region. However, China is considered by the FAO as an endemic country for influenza A (H5N1).
- In China, it is common that A (H5N1) infections in human cases are reported without any outbreaks occurring or reported in the region, reflecting thus, an under-reporting of outbreaks.
- At this stage, no epidemiological link has been identified between the 11 confirmed cases from the 4 Chinese provinces. To date, we cannot yet exclude the possibility of a human-to-human transmission.

### Province de Jiangsu

- On [03 April 2013](#), a total of 5 human infections (including 1 death) was reported to [WHO](#) in Jiangsu province (cf. table 1) :
  - 2 males aged 83 and 48 years-old and, 3 women aged 32, 45 and 48 years-old. All are in critical conditions.
  - The 48 years-old male died on 04<sup>th</sup> April 2013.
  - There is no epidemiological link between these 5 cases.
- For only one case, contacts with dead poultry have been reported.
- In total, 167 case-contacts have been identified. Investigations are ongoing.

### Province de Zhejiang

- On 03<sup>rd</sup> and [4<sup>th</sup> April 2013](#), a total of 3 human infections (including 1 death) was reported in Zhejiang province :
  - 1 male aged 38 years-old who died on 27<sup>th</sup> March 2013. He was a cook in Jiangsu province restaurant.
  - 2 males aged 67 and 64 years-old who were both hospitalized.
  - There is no epidemiological link between these 3 cases.
- In total, 183 case-contacts have been identified. Investigations are ongoing.

- In human, the infection with new variants is rare. These infections can lead to the occurrence of severe sporadic cases (e.g. A (H5N1) infections without sustained human-to-human transmission or moderate/severe infections with human-to-human transmission (e.g. pandemic A (H1N1), 2009).
- To date, the available information is insufficient to estimate the impact of this epidemic.
- However, the occurrence of these 11 cases over a short period time in four different provinces lead health authorities to follow the situation with the greatest attention.

Table 1. Number of confirmed A(H7N9) influenza virus infections in humans, China, up to 04/04/2013.

case No.	Reporting Provinces	Person infected (gender, age)	Status		Comments
			Alive	Dead	
1	<a href="#">Shanghai</a>	Male 87 y.	0	1	Died on 4 <sup>th</sup> March 2013
2	<a href="#">Shanghai</a>	Male 27 y.	0	1	Died on 10 <sup>th</sup> March 2013
3	<a href="#">Anhui</a>	Female 35 y.	1	0	Symptoms onset 15/03. Hospitalized in Jiangsu. Severe condition.
4	<a href="#">Jiangsu</a>	Female 45 y.	1	0	Symptoms onset 19 February 2013. Critical condition.
5	<a href="#">Jiangsu</a>	Female 48 y.	1	0	Symptoms onset 19 February 2013. Critical condition.
6	<a href="#">Jiangsu</a>	Male 83 y.	1	0	Symptoms onset 20 February 2013. Critical condition.
7	<a href="#">Jiangsu</a>	Female 32 y.	1	0	Symptoms onset 21 February 2013. Critical condition.
8	Zhejiang	Male 38 y.	0	1	Symptoms onset 7 Mach 2013. <b>Died on 27<sup>th</sup> March 2013.</b>
9	Zhejiang	Male 67 y.	1	0	From Hangzhou. Hospitalised 25 March 2013.
10	<a href="#">Zhejiang</a>	Male 64 y.	1	0	Symptoms onset 29 March, Hospitalised 31 March 2013.
11	Jiangsu	Male 48 y.	0	1	<b>Died on 04 April 2013.</b>
<b>Total World</b>			<b>7</b>	<b>4</b>	
			<b>11</b>		

Map 1. Provinces reporting A(H7N9) virus infections in humans, China, as of 3 April 2013.

