

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.

The EpiSouth-Plus Project is cofunded by the European Union DG-SANCO/EAHC and EuropeAid together with the participating national partner Institutions. The financial support of the Italian Ministry of Health and ECDC is also acknowledged. Yet, the contents of this bulletin can in no way be taken to reflect the views of the European Union.

### INDEX e-WEB n°221

- A(H5N1) Avian influenza – none
- A(H5N1) Human influenza – Egypt
- “INSIDE” events:
  - Tick paralysis – Egypt
- “OUTSIDE” events: None:
  - Dengue - Djibouti

Location: World

Event: A(H5N1) – Epizootic

Comments

No epizooties reported this week

Location: Egypt

Event: A(H5N1) – Human

Comments

- On June 7<sup>th</sup> 2012, the Egyptian Ministry of Health reported to [WHO](#) a new human case of A(H5N1) infection, in Kafr- El Sheikh governorate (cf. map 1).
- The case is:
  - A 4 year-old girl;
  - Onset of symptoms on 25<sup>th</sup> April 2012;
  - Hospitalised on 26<sup>th</sup> April 2012;
  - Discharged on 7<sup>th</sup> May 2012;
  - Exposure to sick poultry was documented.
- To date, a total of 168 cases has been confirmed in Egypt, including 60 deaths.
- The last reported case in Egypt dated April 2012 in Giza governorate (cf. [eWEB n°213](#)).

Map 1. Kafr-El heikh governorate, Egypt.



**REPORT OF NEW HEALTH EVENTS OCCURRING INSIDE THE EPISOUTH AREA**  
**(Occurring in one or several EpiSouth countries)**

**Location:** Egypt

**Event:** Tick paralysis

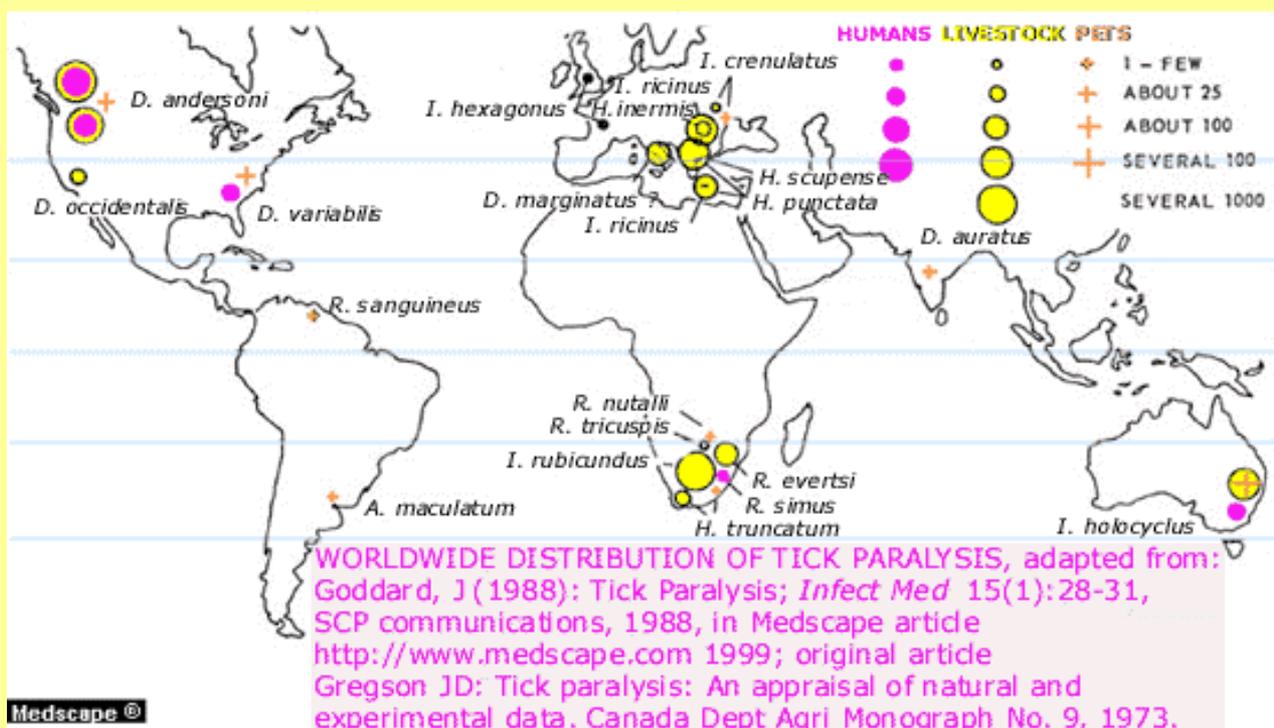
**Comments**

- Mid June 2012, an article published by the [Journal of the Egyptian society of parasitology](#) suggested the occurrence of a tick paralysis in 4 human cases in Egypt.
- The cases, the first human cases ever reported in Egypt were 4 children living in rural area in Giza governorate:
  - The clinical pictures were confused and different clinical diagnoses were considered (rabies; myasthenia gravis; botulism; diphtheritic polyneuropathy).
  - Ticks were collected (from infested children), negative clinical data and biological data were in favour of Tick paralysis.
  - The encountered ticks infesting their animals were *Rhipicephalus sanguineus* on dogs, *Hyalomma dromedarii* on camels and *Hyalomma anatolicum excavatum* and *Haemaphysalis* sp. on goats.
- Tick paralysis is very difficult to diagnose and no biological test can confirm the intoxication.
- Tick paralysis in human is rare and affects usually children under the age of 10.
- Tick paralysis has killed thousands of animals, mainly cows and sheep, in other parts of the world (cf. map 3); and is of concern in domestic animals and livestock in the United States.
- This is the first report of this disease in human in this area. The public health implication is difficult to assess at this stage.

- Tick paralysis is the only tick-borne disease that is not caused by an infectious organism.
- The illness is caused by a neurotoxin produced in the tick's salivary gland. After prolonged attachment, the engorged tick transmits the toxin to its host. Tick paralysis results from inoculation of a toxin from tick salivary glands during a blood meal.
- The incidence of tick paralysis is unknown.
- The toxin causes symptoms within 2–7 days, beginning with weakness in both legs that progress to paralysis. The paralysis ascends to the trunk, arms, and head within hours and may lead to respiratory failure and death. If the tick is not removed, the toxin can be fatal, with reported mortality rates of 10–12 percent, usually due to respiratory paralysis.
- No vaccine is currently available for any tick-borne disease, except for Tick-borne encephalitis. Individuals should therefore take precautions when entering tick-infested areas, particularly in the spring and summer months.

**Map 2. Worldwide distribution of Tick Paralysis in humans, livestock and pets.**

source: <http://www.lowchensaustralia.com/pests/paralysis-tick/which-ticks-cause-paralysis.htm>



**REPORT OF NEW HEALTH EVENTS OCCURRING OUTSIDETHE EPISOUTH AREA  
(Not Occurring in one or several EpiSouth countries)**

<b>Location:</b> Djibouti	<b>Event:</b> Dengue	<b>Comments</b>
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- The Ministry of Health of Djibouti reported 111 cases of "dengue-like" syndromes in Djibouti city (cf. map 3), between January and May 2012 (no further information available).
- Since November 2011, sporadic cases of dengue are reported regularly from Djibouti especially among French and Chinese expatriates.
- The serotypes DEN-1 and DEN-3 were confirmed by the French National Reference laboratory of arboviruses.

- Since the major outbreak of dengue documented in 1992 with nearly 12,000 suspected cases identified, only sporadic cases are reported in Djibouti.
- In 2010-2011, outbreaks of dengue were reported in Yemen, in Port Sudan (Sudan) and Jeddah (Saudi Arabia).
- The report of this dengue outbreak may reflect an increase of the virus circulation in Djibouti.
- Due to the large number of expatriates in this international port, imported cases of dengue fever in other countries cannot be excluded.

**Map 3. Djibouti.**

