**Salmonella Typhi Infection**

Merlin disease code: 00200 *Salmonella* Typhi Infection

Isolates or specimens for all confirmed and probable cases must be sent to the Bureau of Public Health Laboratories in Jacksonville; serum specimens for suspect cases should not be forwarded.

*This condition has been identified as a potential bioterrorism agent by the CDC.*

**Background**

Infections caused by *Salmonella* serotype Typhi are often characterized by insidious onset of sustained fever, headache, malaise, anorexia, relative bradycardia, constipation or diarrhea, and nonproductive cough; however, mild and atypical infections may occur. Carriage of *Salmonella* Typhi may be prolonged.

**Clinical criteria for case classification**

One or more of the following: fever, diarrhea, abdominal cramps, constipation, anorexia, or relative bradycardia.

**Laboratory criteria for case classification**

**Confirmatory:**
Isolation of *Salmonella* Typhi from a clinical specimen.

**Presumptive:**
Detection of *Salmonella* Typhi in a clinical specimen using a culture-independent diagnostic test.

**Supportive:**
Detection of antibodies to *Salmonella* Typhi in a clinical specimen using a serologic test in the absence of a negative *Salmonella* culture from a blood or stool specimen.

**Epidemiological criteria for case classification**

Either of the following:

- A person who is epidemiologically linked to a confirmed *Salmonella* Typhi infection case
- Or a person who is epidemiologically linked to a probable *Salmonella* Typhi infection case with laboratory criteria.

**Case classification**

**Confirmed:**
A person with confirmatory laboratory criteria.

**Probable:**
Either of the following:

- A clinically compatible illness in a person with presumptive laboratory criteria
- Or a clinically compatible illness in a person with epidemiological criteria.

**Suspect:**
A person with supportive laboratory criteria.
Criteria to distinguish a new case from previous reports

A new case should be created when a positive laboratory result is received more than 365 days after the most recent positive laboratory result associated with a previously reported case in the same person.

Comments

Infection with *Salmonella Typhi* should only be reported as *Salmonella Typhi* infection (Merlin disease code: 00200) and not as salmonellosis (Merlin disease code: 00300) or *Salmonella Paratyphi* infection (Merlin disease code: 00210).