Salmonella Paratyphi Infection

Merlin disease code: 00210 *Salmonella* Paratyphi 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

Paper case report form

Merlin extended data required

Background

Infections caused by *Salmonella* serotypes Paratyphi A, B (tartrate negative), or C 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* Paratyphi A, B (tartrate negative), or C 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* Paratyphi A, B (tartrate negative), or C from a clinical specimen.

Presumptive:
Detection of *Salmonella* Paratyphi A, B (tartrate negative), or C in a clinical specimen using a culture-independent diagnostic test.

Supportive:
Detection of antibodies to *Salmonella* Paratyphi A, B (tartrate negative), or C 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* Paratyphi infection case
- **Or** a person who is epidemiologically linked to a probable *Salmonella* Paratyphi 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.

Salmonella Paratyphi Infection (Continued)

Criteria to distinguish a new case from previous reports

A new case should be created when either:
- 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
- **Or** two or more different serotypes are identified in one or more specimens from the same person.

Comments

Infections with *Salmonella* serotypes Paratyphi A, B (tartrate negative), or C should only be reported as *Salmonella* Paratyphi infection (Merlin disease code: 00210) and not as salmonellosis (Merlin disease code: 00300) or *Salmonella* Typhi infection (Merlin disease code: 00200).

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