Salmonella Paratyphi Infection

Merlin disease code=00210
Case report form (CRF): Typhoid and Paratyphoid Fever Surveillance Report
MERLIN EXTENDED DATA REQUIRED

Background
An infection caused by Salmonella serotypes Paratyphi A, B (tartrate negative), or C that is 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 S. Paratyphi A, B (tartrate negative), or C may be prolonged.

Clinical criteria for case classification
One or more of the following:
- Fever,
- Or diarrhea,
- Or abdominal cramps,
- Or constipation,
- Or anorexia,
- Or relative bradycardia.

Laboratory criteria for case classification
Confirmatory:
Isolation of S. Paratyphi A, B (tartrate negative), or C from a clinical specimen.

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

Supportive:
Detection of antibodies to S. Paratyphi A, B (tartrate negative), or C in a clinical specimen using a serologic test.

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 evidence.

Case classification
Confirmed:
A person with confirmatory laboratory evidence.

Probable:
One of the following:
- A clinically compatible illness in a person with presumptive laboratory evidence
- Or a clinically compatible illness in a person with epidemiological criteria.

Suspect:
A person with supportive laboratory evidence.
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 S. 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 S. 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).

Isolates or specimens from all confirmed and probable cases must be sent to the Bureau of Public Health Laboratories in Jacksonville (BPHL-Jacksonville) for confirmation. Serum specimens from suspect cases should not be forwarded to BPHL-Jacksonville.

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