

## ***YERSINIOSIS***

*Last revised April 28, 2011*

### **I. IDENTIFICATION**

A. Clinical description:

A bacterial illness characterized in young children by fever and watery diarrhea that often contains leukocytes, blood or mucous. In older children and adults the symptoms may mimic appendicitis (right lower quadrant tenderness), with fever and leukocytosis.

B. Reporting criteria: Laboratory confirmation.

C. Laboratory criteria for confirmation:

Isolation of *Yersinia enterocolitica* or *Y. pseudotuberculosis* from any clinical specimen.

**NOTE:** Testing for *Yersinia enterocolitica* is only done on direct plating as part of the routine enteric culture for bacterial pathogens. If yersiniosis is suspected, request **Test 610Y**, in which enrichment broths will also be incorporated.

D. Wisconsin case definition: A laboratory confirmed case.

### **II. ACTIONS REQUIRED / PREVENTION MEASURES**

A. WISCONSIN DISEASE SURVEILLANCE CATEGORY II:

Report to the patient's local health department either electronically through the Wisconsin Electronic Disease Surveillance System (WEDSS), by mail or fax using an Acute and Communicable Disease Case Report ([F-44151](#)), or by other means within 72 hours upon recognition of a case or suspected case.

B. EPIDEMIOLOGY REPORTS REQUIRED:

- *Electronically* - Report through WEDSS, including appropriate disease-specific sections  
OR
- *Paper Copy* - Acute and Communicable Diseases Case Report ([F-44151](#))
- [Routine Enteric Follow-up Worksheet](#)

C. PUBLIC HEALTH INTERVENTIONS:

In accordance with Wisconsin Administrative rule DHS 145.05, local public health should follow the methods of control recommended in the current edition of *Control of Communicable Diseases Manual*, edited by David L. Heymann, published by the American Public Health Association.

- Source investigation by LHD.

### **III. CONTACTS FOR CONSULTATION**

A. Local Health Departments – Regional Offices – Tribal Agencies:

<http://www.dhs.wisconsin.gov/localhealth/index.htm>

B. BCDER / Communicable Disease Epidemiology Section: (608) 267-9003

C. WI State Laboratory Of Hygiene / Bacteriology: (608) 263-3421

#### IV. RELATED REFERENCES

- “Yersiniosis” DOH Disease Fact Sheet Series: [View a list of all current Communicable Disease Fact Sheets](#)
- Heymann DL, ed. YERSINIOSIS. In: *Control of Communicable Diseases Manual*. 18 th ed. Washington , DC : American Public Health Association, 2004: 600-603.
- Pickering LK, ed. *Yersinia enterocolitica* and *Yersinia pseudotuberculosis* Infections. In: *Red Book: 2003 Report of the Committee on Infectious Diseases*. 26 th ed. Elk Grove Village , IL : American Academy of Pediatrics, 2003:690-692.