Vibrio infection, other than cholera & vulnificus

2017 Case Definition
CSTE Position Statement Number: 16-ID-05

Clinical Description

An infection of variable severity characterized by watery diarrhea, primary septicemia, or wound infection. Asymptomatic infections may occur, and the organism may cause extra-intestinal infection.

Laboratory Criteria for Diagnosis

Supportive laboratory evidence: Detection of a species of the family Vibrionaceae (other than toxigenic *Vibrio cholerae* O1 or O139, which are reportable as cholera, or *V. vulnificus*) from a clinical specimen (i.e. stool, urine, fluid aspirate, blood, etc) using a culture-independent diagnostic test (CIDT)¹.

Confirmatory laboratory evidence: Isolation (i.e. culture) of a species of the family Vibrionaceae (other than toxigenic *Vibrio cholerae* O1 or O139, which are reportable as cholera or *V. vulnificus*) from a clinical specimen (i.e. stool, urine, fluid aspirate, blood, etc).

Case classification

**Confirmed**: A case that meets the confirmatory laboratory criteria for diagnosis. Note that species identification and, if applicable, serotype designation should be reported.

**Probable**: A case that meets the supportive laboratory criteria for diagnosis OR a clinically compatible case that is epidemiologically linked to a case that meets the supportive or confirmatory laboratory criteria for diagnosis.

Criteria to Distinguish a New Case from an Existing Case

A case should not be counted as a new case if laboratory results were reported within 30 days of a previously reported infection in the same individual. When two or more different species of the family Vibrionaceae are identified in one or more specimens from the same individual, each should be reported as a separate case.

Additional Actions:

Request forwarding of isolates/samples to the NC State Lab of Public Health for confirmation.

CDC requests the completion of the Cholera and Other Vibrio Illness Surveillance (COVIS) Form for all Vibrio cases.

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¹ Culture-independent diagnostic testing includes PCR, EIA, ELISA, and other antigen detection tests.