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Salmonellosis (Salmonella spp.) 2017 Case Definition | CDC  
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Salmonellosis (  
Salmonella  
spp.)  
2017 Case Definition  
Salmonellosis (  
Salmonella  
spp.)  
2017 Case Definition  
NOTE:  
A surveillance case definition is a set of uniform criteria used to define a disease for public health surveillance. Surveillance case definitions enable public health officials to classify and count cases consistently across reporting jurisdictions. Surveillance case definitions are not intended to be used by healthcare providers for making a clinical diagnosis or determining how to meet an individual patient’s health needs.  
CSTE Position Statement(s)  
16-ID-03  
Background  
In 2011, CSTE updated the salmonellosis case definition, classifying a positive culture-independent diagnostic testing (CIDT) result that is not culture-confirmed as a suspect case. Modification of the 2011 case definition is needed to address underreporting of salmonellosis cases and to make case definitions for enteric bacterial pathogens more consistent. This 2016 case definition changes the case classification for a case with a positive  
Salmonella  
CIDT result from suspect to probable.  
Clinical Criteria  
An illness of variable severity commonly manifested by diarrhea, abdominal pain, nausea and sometimes  
vomiting. Asymptomatic infections may occur and the organism may cause extra-intestinal infections.  
Laboratory Criteria For Diagnosis  
Supportive laboratory evidence: Detection of  
Salmonella  
spp. in a clinical specimen  
using a CIDT.  
Confirmatory laboratory evidence: Isolation of  
Salmonella  
spp. from a clinical specimen.  
Epidemiologic Linkage  
Probable: 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 365 days of a  
previously reported infection in the same individual.  
When two or more different serotypes are identified from one or more specimens from the same  
individual, each should be reported as a separate case.  
Case Classification  
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.  
Confirmed  
A case that meets the confirmed laboratory criteria for diagnosis.  
Comments  
The use of CIDTs as stand-alone tests for the direct detection of  
Salmonella  
in stool is increasing. Specific performance characteristics such as sensitivity, specificity, and positive predictive value of these assays likely depend on the manufacturer and are currently unknown. It is therefore useful to collect information on the type(s) of testing performed for reported salmonellosis cases. When a specimen is positive using a CIDT it is also helpful to collect information on all culture results for the specimen, even if those results are negative. Culture confirmation of CIDT-positive specimens is ideal, although it might not be practical in all instances. State and local public health agencies should make efforts to encourage reflexive culturing by clinical laboratories that adopt culture-independent methods, should facilitate submission of isolates/clinical material to state public health laboratories, and should be prepared to perform reflexive culture when not performed at the clinical laboratory as isolates are currently necessary for molecular typing (PFGE and whole genome sequencing) that are essential for outbreak detection.  
Position statement classifies cases as confirmed (a case that meets the confirmed laboratory criteria)  
AND  
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). "Suspected" has been removed.  
Related Case Definition(s)  
Salmonellosis (  
Salmonella  
spp.) | 2012 Case Definition  
Salmonellosis (  
Salmonella  
spp.) | 2005 Case Definition  
Salmonellosis (  
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