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Skip directly to site content  
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National Notifiable Diseases Surveillance System (NNDSS)  
Explore Topics  
Search  
Search  
Clear Input  
For Everyone  
About About National Notifiable Diseases Surveillance System  
What is Case Surveillance?  
Case Surveillance Modernization  
Infectious Disease Tables  
Non-Infectious Disease Data  
Technical Resource Center  
Case Surveillance in Action  
Contact Us  
View all  
Related Topics:  
NDC Application  
View All  
search  
close search  
search  
National Notifiable Diseases Surveillance System (NNDSS)  
Menu  
Close  
search  
For Everyone  
About About National Notifiable Diseases Surveillance System  
What is Case Surveillance?  
Case Surveillance Modernization  
Infectious Disease Tables  
Non-Infectious Disease Data  
Technical Resource Center  
Case Surveillance in Action  
Contact Us  
View All  
Related Topics  
NDC Application  
View All  
National Notifiable Diseases Surveillance System (NNDSS)  
About About National Notifiable Diseases Surveillance System  
What is Case Surveillance?  
Case Surveillance Modernization  
Infectious Disease Tables  
Non-Infectious Disease Data  
Technical Resource Center  
Case Surveillance in Action  
Contact Us  
View All  
April 16, 2021  
Case Definitions  
Message Mapping Guides  
Supporting Documents for Implementation  
Event Codes & Other Surveillance Resources  
Measles / Rubeola  
2010 Case Definition  
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2010 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)  
09-ID-48  
Case Classification  
Suspected  
Any febrile illness that is accompanied by rash and that does not meet the criteria for probable or confirmed measles or any other illness  
Probable  
In the absence of a more likely diagnosis, an illness characterized by:  
Generalized rash lasting ≥3 days;  
AND  
Temperature ≥101°F or 38.3°C;  
AND  
Cough, coryza, or conjunctivitis;  
AND  
No epidemiologic linkage to a confirmed case of measles;  
AND  
Noncontributory or no serologic or virologic testing.  
Confirmed  
Laboratory confirmation by any of the following:  
Positive serologic test for measles immunoglobulin M antibody;  
OR  
Significant rise in measles antibody level by any standard serologic assay;  
OR  
Isolation of measles virus from a clinical specimen;  
OR  
Detection of measles-virus specific nucleic acid by polymerase chain reaction  
Note: A laboratory-confirmed case does not have to have generalized rash lasting ≥3 days; temperature ≥101°F or 38.3°C; cough, coryza, or conjunctivitis.  
OR  
An illness characterized by:  
Generalized rash lasting ≥3 days;  
AND  
Temperature ≥101°F or 38.3°C;  
AND  
Cough, coryza, or conjunctivitis;  
AND  
Epidemiologic linkage to a confirmed case of measles.  
Epidemiologic Classification  
Internationally imported case  
: An internationally imported case is defined as a case in which measles results from exposure to measles virus outside the United States as evidenced by at least some of the exposure period (7–21 days before rash onset) occurring outside the United States and rash onset occurring within 21 days of entering the United States and there is no known exposure to measles in the U.S. during that time. All other cases are considered U.S.-acquired.  
U.S.-acquired case  
: An U.S.-acquired case is defined as a case in which the patient had not been outside the United States during the 21 days before rash onset or was known to have been exposed to measles within the United States.  
U.S.-acquired cases are subclassified into four mutually exclusive groups:  
Import-linked case: Any case in a chain of transmission that is epidemiologically linked to an internationally imported case.  
Imported-virus case: a case for which an epidemiologic link to an internationally imported case was not identified, but for which viral genetic evidence indicates an imported measles genotype, i.e., a genotype that is not occurring within the United States in a pattern indicative of endemic transmission. An endemic genotype is the genotype of any measles virus that occurs in an endemic chain of transmission (i.e., lasting ≥12 months). Any genotype that is found repeatedly in U.S.-acquired cases should be thoroughly investigated as a potential endemic genotype, especially if the cases are closely related in time or location.  
Endemic case: a case for which epidemiological or virological evidence indicates an endemic chain of transmission. Endemic transmission is defined as a chain of measles virus transmission that is continuous for ≥12 months within the United States.  
Unknown source case: a case for which an epidemiological or virological link to importation or to endemic transmission within the U.S. cannot be established after a thorough investigation. These cases must be carefully assessed epidemiologically to assure that they do not represent a sustained U.S.-acquired chain of transmission or an endemic chain of transmission within the U.S.  
Note: Internationally imported, import-linked, and imported-virus cases are considered collectively to be import-associated cases.  
States may also choose to classify cases as "out-of-state-imported" when imported from another state in the United States. For national reporting, however, cases will be classified as either internationally imported or U.S.-acquired.  
Related Case Definition(s)  
Measles / Rubeola | 2013 Case Definition  
Measles / Rubeola | 2009 Case Definition  
Measles / Rubeola | 2007 Case Definition  
Measles / Rubeola | 1996 Case Definition  
Measles / Rubeola | 1990 Case Definition  
Back to Top  
Sources  
Print  
Share  
Facebook  
LinkedIn  
Twitter  
Syndicate  
Content Source:  
Case Definitions  
Message Mapping Guides  
Supporting Documents for Implementation  
Event Codes & Other Surveillance Resources  
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NNDSS receives and shares case data from state, local, and territorial health departments to help public health monitor, control, and prevent serious diseases.  
View All  
About About National Notifiable Diseases Surveillance System  
What is Case Surveillance?  
Case Surveillance Modernization  
Infectious Disease Tables  
Non-Infectious Disease Data  
Technical Resource Center  
Case Surveillance in Action  
Contact Us  
View All  
Sign up for Email Updates  
Contact CDC  
Organization  
Policies  
Web Policies  
Languages  
Languages  
Español  
Language Assistance  
Archive  
CDC Archive  
Public Health Publications  
Contact Us  
About CDC  
Organization  
Policies  
Web Policies  
Languages  
Languages  
Español  
Language Assistance  
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CDC Archive  
Public Health Publications  
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