

MEASLES**IMMEDIATE NOTIFICATION****IMMUNIZATION PROGRAM**

Event Name:	MEAS	
Event Time Period:	Lifelong immunity	
Clinical Description (CDC 2013):	An illness characterized by all the following: <ul style="list-style-type: none">• Generalized, maculopapular rash lasting ≥ 3 days; AND• Temperature $\geq 101.0^{\circ}\text{F}$ or 38.3°C; AND• Cough, coryza, or conjunctivitis	
CDC Event Classification (2013):	<i>Confirmed</i>	An acute febrile rash illness* with: <ul style="list-style-type: none">• Isolation of measles virus[†] from a clinical specimen; OR• Detection of measles-virus specific nucleic acid[†] from a clinical specimen using polymerase chain reaction; OR• IgG seroconversion[†] or a significant rise in measles immunoglobulin G antibody[†] using any evaluated and validated method; OR• A positive serologic tests for measles immunoglobulin M antibody^{†‡}; OR• Direct epidemiologic linkage to a case confirmed by one of the methods above
	<i>Probable</i>	In the absence of a more likely diagnosis, an illness that meets the clinical description with: <ul style="list-style-type: none">• No epidemiologic linkage to a laboratory-confirmed measles case; AND• Noncontributory or no measles testing
Massachusetts Event Classification:	<i>Confirmed</i>	<i>Follows CDC event classification</i>
	<i>Probable</i>	<i>Follows CDC event classification</i>
	<i>Suspect</i>	Any reported case that does not otherwise meet the confirmed, probable, or revoked case definition
	<i>Revoked</i>	A negative measles IgM test on a serum specimen collected ≥ 72 hours after onset of rash OR a case that does not meet the clinical description and does not meet the confirmed case definition

* Temperature does not need to reach $\geq 101.0^{\circ}\text{F}/38.3^{\circ}\text{C}$ and rash does not need to last ≥ 3 days

[†] Not explained by MMR vaccination during the past 6-45 days

[‡] Not otherwise ruled out by other confirmatory testing or more specific measles testing in a public health laboratory

MEASLES (continued)

Report Type	Test Type	Source	Result	New event or beyond report period?	Data Entry
Laboratory Report OR Boston Reporting Card	Culture	Clinical specimen	Measles virus isolated	Yes	New Event SUSPECT
				No	Same event
<i>Select:</i>	Virus identified: PrId: Pt: xxx: Nom: Virus culture				
Outside Lab Laboratory Report OR Boston Reporting Card	Serology	Serum	IgM	Yes	New Event SUSPECT
				No	Same event
<i>Select (IgM):</i>	Measles virus Ab.IgM: Titr: Pt: Ser: Qn:				
Outside Lab Laboratory Report OR Boston Reporting Card	Serology	Serum	IgG	Yes	Do Not Enter
				No	Same event
<i>Select (IgG):</i>	Measles virus Ab.IgG.ACne: Pt:Flu:Qn:				
SLI Only Laboratory Report	Serology	Clinical specimen (Paired Specimens)	IgG	Yes	New Event SUSPECT
				No	Same event
<i>Select:</i>	Measles virus Ab IgG^1st specimen : Acnc : Pt : Ser : Qn				
<i>Select:</i>	Measles virus Ab IgG^2nd specimen : Acnc : Pt : Ser : Qn				
Laboratory Report Or Boston Reporting Card	EIA	Serum or CSF	IgM	Yes	New Event SUSPECT
				No	Same event
<i>Select(Serum):</i>	Measles virus Ab.IgM: Acnc: Pt: Ser: Qn: EIA				
<i>Select (CSF):</i>	Measles virus Ab.IgM: Acnc: Pt: CSF: Qn: EIA				
Laboratory Report Or Boston Reporting Card	IFA	Serum or CSF	IgM	Yes	New Event SUSPECT
				No	Same Event
<i>Select (Serum):</i>	Measles virus Ab.IgM: Titr: Pt: Ser: Qn: IF				
<i>Select(CSF):</i>	Measles Virus Ab.IgM: Titr:Pt:CSF:Qn:IF				
Laboratory Report Or Boston Reporting Card	PCR	Clinical specimen	Measles RNA detected	Yes	New Event SUSPECT
				No	Same event
<i>Select:</i>	Measles virus RNA : ACnc : Pt : XXX: Ord : Probe.Amp.Tar				

Laboratory Report Or Boston Reporting Card	PCR	Clinical Specimen	Measles vaccine strain detected	Yes	New Event SUSPECT
				No	Same event
Select:	Measles virus vaccine specific XXX QI NAA+probe				
Morbidity Report				Yes	New Event Suspect
				No	Same Event