

**MUMPS****IMMEDIATE NOTIFICATION****IMMUNIZATION PROGRAM**

Event Name:	MUMPS	
Event Time Period:	Lifelong immunity	
Clinical Description (2023):	<p>In the absence of a more likely alternative diagnosis an acute illness characterized by:</p> <ul style="list-style-type: none"><li>- Parotitis (i.e., acute onset of unilateral or bilateral tender, self-limited swelling of the parotid) or swelling of other (non-parotid) salivary gland(s) <b>of any duration,</b></li></ul> <p><b>OR</b></p> <ul style="list-style-type: none"><li>- At least one of the following mumps-associated complication(s): orchitis, oophoritis, aseptic meningitis, encephalitis, hearing loss, mastitis, or pancreatitis.</li></ul>	
CSTE Classification (2023):	<i>Confirmed</i>	<p><u>Meets confirmed laboratory evidence<sup>a</sup>:</u></p> <ul style="list-style-type: none"><li>• A positive reverse transcription polymerase chain reaction (RT-PCR) for mumps specific nucleic acid<sup>b</sup> <b>OR</b></li><li>• Isolation of mumps virus <b>OR</b></li><li>• Significant rise (i.e., at least a 4-fold rise in a quantitative titer or seroconversion<sup>c</sup>) in paired acute and convalescent serum mumps immunoglobulin G (IgG) antibody<sup>b</sup></li></ul> <p><sup>a</sup>A negative laboratory result in a person with clinically compatible mumps symptoms does not rule out mumps as a case. <sup>b</sup>Not explained by MMR vaccination during the previous 6-45 days. <sup>c</sup>Seroconversion is defined as a negative serum mumps IgG followed by a positive serum mumps IgG. <sup>d</sup>May be ruled out by a negative convalescent mumps IgG antibody using any validated method</p>
	<i>Probable</i>	<ul style="list-style-type: none"><li>• Meets clinical criteria <b>AND</b> epidemiologic linkage criteria<sup>1</sup>, <b>OR</b></li><li>• Meets supportive laboratory evidence<sup>2</sup> <b>AND</b><ul style="list-style-type: none"><li>➤ Meets clinical criteria of:<ul style="list-style-type: none"><li>○ ≥2-day duration of parotitis or other salivary gland swelling <b>OR</b></li><li>○ a mumps-related complication</li></ul></li></ul></li></ul> <p><b>AND</b></p> <ul style="list-style-type: none"><li>➤ Does NOT meet epidemiologic linkage criteria<sup>**</sup></li></ul> <p><sup>1</sup>Epidemiologic Linkage Criteria: exposure to or contact with a confirmed mumps case, OR member of a group or population identified by public health authorities as being at increased risk for acquiring mumps because of an outbreak <sup>2</sup>Supportive Laboratory Evidence: Positive test for serum mumps immunoglobulin M (IgM) antibody [Not explained by MMR vaccination during the previous 6-45 days. May be ruled out by a negative convalescent mumps IgG antibody using any validated method] <sup>**</sup>These are considered sporadic cases.</p>
	<i>Suspect</i>	<ul style="list-style-type: none"><li>• Meets the clinical criteria but does not meet laboratory or epidemiologic linkage criteria,</li></ul> <p><b>OR</b></p>

		<ul style="list-style-type: none"> <li>Meets supportive laboratory evidence but does not meet the clinical criteria <b>AND</b> has documentation that mumps was suspected.</li> </ul>
Massachusetts Event Classification:	<i>Confirmed</i> <i>Probable</i> <i>Suspect</i>	Follows CSTE classification

**MUMPS (continued)**

Report Type	Test Type	Source	Result	New event or beyond report period?	Data Entry
Laboratory Report	Culture	Clinical specimen	Mumps virus isolated	Yes	New event SUSPECT
				No	Same event
Select:	Virus identified: PrId: Pt: xxx: Nom: Virus culture				
Outside Lab Laboratory Report	Serology	Fluid	IgG	Yes	Do not Enter
				No	Same event
Select:	Mumps Virus Ab.IgG:ACne: Pt:Flu:Qn:				
SLI Only Laboratory Report	Serology	Clinical specimen (Paired Specimens)	IgG	Yes	New Event SUSPECT
				No	Same event
Select:	Mumps virus Ab IgG^1st specimen : Acnc : Pt : Ser : Qn				
Select:	Mumps virus Ab IgG^2nd specimen: Acnc : Pt : Ser : Qn				
Laboratory Report	Serology	Serum	IgM	Yes	New event SUSPECT
				No	Same event
Select:	Mumps Virus Ab.IgM: Titr: Pt: Ser: Qn:				
Laboratory Report	Serology	Clinical specimen	IgM	Yes	New Event SUSPECT
				No	Same event
Select:	Mumps Virus Ab.IgM: Acnc : Pt : xxx Qn:				

**MUMPS (continued)**

Report Type	Test Type	Source	Result	New event or beyond report period?	Data Entry
Laboratory Report	EIA	Serum or CSF	IgM	Yes	New event SUSPECT
				No	Same event
Select (Serum):	Mumps Virus Ab.IgM: ACnc: Pt: Ser: Qn: EIA				
Select (CSF):	Mumps Virus Ab.IgM: ACnc: Pt: CSF: Qn: EIA				
Laboratory Report	IFA	Serum	IgM	Yes	New event SUSPECT
				No	Same event
Select:	Mumps Virus Ab.IgM: Titr: Pt: Ser: Qn: IF:				
Laboratory Report	PCR	Clinical specimen	Mumps RNA detected	Yes	New Event SUSPECT
				No	Same event
Select:	Mumps Virus RNA : Acnc : Pt : xxx : Ord				
Morbidity Card				Yes	New event SUSPECT
				No	Same event