

**VIBRIO SPECIES****NOTIFICATION PRIORITY CHANGES****EPIDEMIOLOGY PROGRAM**

Event name:	CHOL
Event time period:	30 days

***VIBRIO CHOLERA* (Cholera) - IMMEDIATE**

Clinical Description (CDC 1996)	An illness characterized by diarrhea and/or vomiting; severity is variable.	
CDC Event Classification (1996) 09-ID-03:	<i>Confirmed</i>	clinically compatible case with laboratory confirmation (culture or serology) by: 1. Isolation of toxigenic (i.e., cholera toxin-producing) <i>Vibrio cholerae</i> O1 or O139 from stool or vomitus, OR 2. Serologic evidence of recent infection
Massachusetts Event Classification (2013):	<i>Follows CDC event classification</i>	

As of January 2025, the following *Vibrio* isolate properties obtained from whole genome sequencing (WGS) are to be used to identify toxigenic O1/O139 *V. cholerae*: serogroup, serotype, toxin.

**VIBRIOSIS (Non-cholera *Vibrio* species) - IMMEDIATE from May to October    NON-IMMEDIATE from November to April**

Clinical Description (CDC 2012)	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 infections.	
CSTE Event Classification (2017) 16-ID-05:	<i>Confirmed</i>	Isolation of a species of the family <i>Vibrionaceae</i> (other than toxigenic <i>Vibrio cholerae</i> O1 or O139, which are reportable as cholera) from a clinical specimen.
	<i>Probable</i>	1. Detection of a species of the family <i>Vibrionaceae</i> (other than toxigenic <i>Vibrio cholerae</i> O1 or O139, which are reportable as cholera) from a clinical specimen using a culture-independent diagnostic test (CIDT); OR 2. A clinically compatible case that is epidemiologically linked to a confirmed or probable case.
Massachusetts Event Classification:	<i>Confirmed</i>	<i>Follows CDC event classification</i>

**\*\*Please note:** Genera in the family *Vibrionaceae* includes: *Aliivibrio*, *Allomonas*, *Catenococcus*, *Enterovibrio*, *Grimontia*, *Listonella*, *Photobacterium*, *Salinivibrio*, *Vibrio*

Report Type	Test Type	Source	Result	New event or beyond report period?	Data Entry
Laboratory report	Culture	Any	Vibrio species	Yes	New event CONFIRMED
				No	Same event
Select (no sub-type specified): Microorganism : PrId : Pt : xxx : Nom : Culture					
Select (species or sub-type specified): Microorganism : PrId : Pt : Islt : Nom : Bacterial subtyping					
Laboratory report	Culture	Any	Vibrio cholerae non-O1 or non-O139	Yes	New event CONFIRMED
				No	Same event
Select: Microorganism : PrId : Pt : xxx : Nom : Culture					
Laboratory report	PCR	Any	Positive	Yes	New event PROBABLE
				No	Same event
Select: Vibrio DNA XXX PCR					
Laboratory report	PCR	Stool	Detected or Positive	Yes	New event PROBABLE
				No	Same event
Select: V chol+para+vul DNA: Stl: Ql: Non-probe PCR					
Select: Vibrio cholerae DNA [Presence] in St by NAA/non-probe detection					
Select: V cholerae+parahaemolyticus Stl Ql NAA+probe					
Select: V chol+para+vul DNA Stl Ql NAA+probe					
Laboratory report	PCR	Stool	Vibrio, Vibrio cholerae	Yes	New event PROBABLE
				No	Same event
Select: GI path DNA+RNA: Pnl: Stl: Non-probe PCR					
Laboratory report	Agglutination	Any	Positive	Yes	New event SUSPECT
				No	Same event
Select: Vibro cholerae toxin: PrId: Pt: xxx: Nom: Aggl					
Laboratory report	PCR	Stool	Positive	Yes	New event SUSPECT
				No	Same event
Select: Vibrio chol toxin ctxA Stl Ql NAA+prob					