MELIOIDOSIS (*Burkholderia pseudomallei*) **IMMEDIATE NOTIFICATION** **EPIDEMIOLOGY PROGRAM**

Event Name:	BURK	
Event Time Period:	Lifelong immunity	
Clinical Description (CSTE, 2012):	Clinical presentation of the disease varies on a case by case basis. The following characteristics are typical of melioidosis: • An acute or chronic localized infection which may or may not include symptoms of fever and muscle aches. Such infection often results in ulcer, nodule, or skin abscess. • An acute pulmonary infection with symptoms of high fever, headache, chest pain, anorexia, and general muscle soreness. • A bloodstream infection with symptoms of fever, headache, respiratory distress, abdominal discomfort, joint pain, muscle tenderness, and/or disorientation. • A disseminated infection with symptoms of fever, weight loss, stomach or chest pain, muscle or joint pain, and/or headache or seizure. Abscesses in the liver, lung, spleen, and prostate are often observed in patients diagnosed with disseminated infections; less frequently, brain abscesses may be seen.	
CSTE Event Classification (2012)	*Confirmed*:	Isolation of *B. pseudomallei* from a clinical specimen, with or without clinical evidence.Culture of the organism may be done on blood, sputum, urine, pus, throat swab, or swabs from organ abscesses or wounds.
	Probable:	A clinically compatible case with at least one of the following: • Evidence of a fourfold or greater rise in *B. pseudomallei* antibody titer by IHA between acute- and convalescent-phase serum specimens obtained greater than or equal to 2 weeks apart. • Evidence of *B. pseudomallei* DNA (for example, by LRN-validated polymerase chain reaction) in a clinical specimens collected from a normally sterile site (blood) or lesion of other affected tissue (abscesses, wound). AND, one of the following epidemiologic findings: • History of travel to a melioidosis-endemic region, OR • Known exposure to *B. pseudomallei* as a result of intentional release or occupational risk (lab exposure).
Massachusetts Event Classification (2015):	Follows CSTE Event Classification	

Report Type	Test	Source	Result	New event or beyond report period?	Data Entry
Laboratory report	Culture	Clinical specimen	*Burkholderia pseudomallei*	Yes	New event SUSPECT
				No	Same event
Select:	Microorganism: PrId: Pt: xxx: Nom: Culture				
Laboratory report	PCR	Clinical specimen	Positive or *Burkholderia pseudomallei*	Yes	New event SUSPECT
				No	Same event
Select (PCR specific for B. pseudomallei):	B pseudomal DNA: ACnc: Pt: xxx: Ord: Probe				
Select (PCR specific for Burkholderia sp.):	Burkholderia DNA XXX PCR				
Laboratory report	Antibody	Clinical specimen	Positive	Yes	New event SUSPECT
				No	Same event
Select:	B pseudomal Ab Ser HA-aCnc				
Laboratory report	IFA	Clinical specimen	Positive	Yes	New event SUSPECT
				No	Same event
Select (IgG-specific):	B pseudomal **IgG** Titr XXX IF				
Select (IgM-specific):	B pseudomal **IgM** Titr XXX IF				