PROTOCOL FOR EVALUATING AN INFECTIOUS CAUSE OF DEATH

This job aid is intended for medical examiners, coroners, and forensic pathologists. It serves as a reminder to consider infectious causes of death in certain situations, and it provides a practical guide to specimen collection and testing.

1.0 CASE IDENTIFICATION	2.0 LAB SPECIMENS & TESTING	3.0 REVIEW FINDINGS				4.0 Case Reporting				
 Antemortem and/or postmortem signs/symptoms indicating a possible infectious disease related death are determined by investigator and/or ME. (See Tables 1 & 2). 1.1 If applicable, request available lab results from antemortem sampling. 1.2 Decide to conduct an autopsy or not based on the report from the death scene 	 2.1 If an autopsy is done, collect specimens and submit them for appropriate testing (See Table 3). 2.2 Collect additional specimens based on antemortem signs and symptoms, and pathologic syndromes (See Table 4). 	 3.1 Review laborat 3.2 Based testing For etiol as a Prog 	v lab results fr cories. on the lab res is needed at cases with no ogy, MDH ma part of the Ur gram.	rom the local t sults, decide if MDH and/or (organism-spe y follow-up wi nexplained De	esting further CDC. ecific th the case eath	 4.1 Notify MDH of cases meeting criteria from "1.0 Case Identification" on at least a monthly basis and report any helpful follow-up findings. 4.2 Methods of Reporting: ME site fills out Case Report Form and sends to MDH ME site notifies MDH of cases and MDH will fill out Case Report Form 				
investigator and resources available.	Table 2: PATHOLOGIC SYNDROMES Table 3: SPECIMENS & TESTING				TING	- MDH conducts case identification at				
If no autopsy done, skip to " 4.0 Case Reporting"	 Neurologic Encephalitis Meningitis (including hemorrhagic) Respiratory 	Specimen	Possible Testing	Description	Container	MI	: site			
Table 1: ANTEMORTEM SIGNS & SYMPTOMS		Blood	Bacterial culture	5ml aerobic & anaerobic	Use local lab	Case Reporting Contact Information: Minnesota Department of Health-IDEPC PO Box 64975 St. Paul, MN 55164-0975 651-201-5414 or 1-877-676-5414 Table 4: ADDITIONALSPECIMENS & TESTING				
 Fever Acute encephalopathy or new onset seizures Acute fload acute fload ac	 Pharyngitis, epiglottitis or other upper airway infection Bronchitis or bronchiolitis, acute 	Serum	Serologic assays/Tox	10ml	Marble top vacutainer					
 Acute flaccio pararysis or polyneuropathy New-onset jaundice Acute diarchea 	Diffuse alveolar damage Modiantinitia hamarrhagia	NP Swab	Viral Culture	1 swab	Viral transport					
 Acute diamea New rash or soft tissue lesion Unexplained death 	 Cardiac Myocarditis Endocarditis Gastrointestinal Acute hepatitis or fulminant hepatic necrosis Colitis Dermatologic Diffuse rash Soft tissue lesion Multi-system	Urine	Culture/ Antigen tests	20ml	Orange top, sterile					
 Death of an individual <50 years of age where: the past medical history, circumstances, and scene investigation provide inadequate diagnostic insight to establish the cause of death, and investigators have been unable to identify one of the signs/symptoms listed above in the absence of a specific etiology. This category includes infants with a SIDS-like 		Fresh or frozen tissue from affected organs	Viral culture or PCR	1cm cubes (can keep refrigerated up to 4 days)	Clean vials	Syndrome	Specimen	Description	Container	
						Respiratory	Deep Lung Swab	1 swab each lung	Bacterial & Viral transport	
		Formalin- fixed tissues	Histo- pathology, IHC, In situ hybridization PCR	All organs	Orange top, sterile	Neurologic	CSF	10ml	Purple top or sterile container	
		Paraffin- embedded	Histo- pathology, IHC, ISH, PCR	Affected organs		Gastro- intestinal	Stool		Clean vial	
presentation. 8. Other Infectious Disease Epidemiology, Prevention and Control 651-201-5414						Dermato- logic	Skin/Soft tissue swab or tissue sample		Bacterial & Viral transport or clean vial	

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