

Invasive Bacterial Vaccine Preventable Disease Job Aid

	Common Clinical Presentations	Laboratory Testing	Control Measures
Meningococcal Disease, Invasive (<i>Neisseria meningitidis</i>)	<ul style="list-style-type: none"> • Meningitis: acute onset of fever, headache, and stiff neck, often with nausea, vomiting, photophobia and altered mental status. • Meningococemia: acute onset of fever often with petechial or purpuric rash, purpura fulminans, hypotension, shock and multi-organ failure. • Other invasive infections possible, but less common. 	<ul style="list-style-type: none"> • Positive culture from a normally sterile site or purpuric lesions • Positive PCR from a normally sterile site • Detection of <i>N. meningitidis</i> antigen in CSF by latex agglutination or in formalin-fixed tissue by immunohistochemistry • Gram-negative diplococci, not yet identified, isolated from a normally sterile site <p>Submit isolates to the ISDH Laboratories within 3 business days of isolation.*</p>	<ul style="list-style-type: none"> • Droplet precautions until 24 hours after initiation of effective antibiotic treatment. • Antimicrobial post-exposure prophylaxis for the following contacts with exposure to a case from 7 days prior to symptom onset through 24 hours of appropriate antibiotic therapy: <ul style="list-style-type: none"> • Household contacts or those who have shared residence with the patient; • Childcare/preschool contacts; • Contacts (including healthcare workers) with direct exposure to the patient's saliva/respiratory secretions; and • Contacts seated directly next to the patient during prolonged travel (8 hours or more).
	Incubation Period	Infectious Period	Reporting Requirements**
	1-10 days (usually 3-4 days)	Until completion of 24 hours of appropriate antibiotic therapy.	Report immediately upon suspicion.
Invasive Pneumococcal Disease (<i>Streptococcus pneumoniae</i>)	Common Clinical Presentations	Laboratory Testing	Control Measures
	<ul style="list-style-type: none"> • Bacteremia: fever, chills, low alertness, sepsis. • Meningitis: stiff neck, fever, headache, photophobia, altered mental status. • Pneumonia (Note: Only cases with <i>S. pneumoniae</i> detected in a normally sterile site are reportable.) 	<ul style="list-style-type: none"> • Positive culture or PCR from a normally sterile site • Antigen/antibody tests not sufficient for surveillance purposes <p>Submit isolates from cases <5 years of age to the ISDH Laboratories within 3 business days of isolation.*</p>	<ul style="list-style-type: none"> • Standard precautions for hospitalized patients. • Post-exposure prophylaxis NOT recommended for close contacts.
	Incubation Period	Infectious Period	Reporting Requirements**
1-3 days, sometimes longer	Until completion of 24 hours of appropriate antibiotic therapy.	Report within 72 hours.	

*Specimen submission guidance is available at https://www.in.gov/isdh/files/CLI_VPD_Isolate.pdf.

**Reports should be made to the local health department of the patient's county of residence or ISDH. Immediately notifiable conditions should be reported by phone to ensure prompt public health response. To report cases, please contact the ISDH Epidemiology Resource Center at 317-233-7125 during business hours or 317-233-1325 after hours, weekends, or holidays.

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<p><i>Haemophilus influenzae</i>, Invasive</p>	Common Clinical Presentations	Laboratory Testing	Control Measures
	<ul style="list-style-type: none"> Bacteremia, meningitis, epiglottitis, pneumonia, septic arthritis, cellulitis Only cases with <i>H. influenzae</i> detected in a normally sterile site are reportable. 	<ul style="list-style-type: none"> Positive culture or PCR from a normally sterile site Detection of <i>H. influenzae</i> type b antigen in cerebrospinal fluid (CSF) <p>Submit isolates to the ISDH Laboratories within 3 business days of isolation.*</p>	<ul style="list-style-type: none"> Droplet precautions until completion of 24 hours of appropriate antibiotic therapy. Antimicrobial post-exposure prophylaxis for the following contacts of type b (Hib) cases only: <ul style="list-style-type: none"> Household contacts where there are: <ul style="list-style-type: none"> Infants who have not completed the primary Hib vaccine series Any children under 4 years old who are incompletely vaccinated Immunocompromised children, regardless of age or immunization status Childcare/preschool contacts when incompletely vaccinated children are in attendance and at least two cases of Hib disease have occurred within 60 days of each other.
	Incubation Period	Infectious Period	Reporting Requirements**
Unknown. Most secondary cases occur within one week of hospitalization of the index case but may occur later.	Until completion of 24 hours of appropriate antibiotic therapy.	Report within 24 hours.	

*Specimen submission guidance is available at https://www.in.gov/isdh/files/CLI_VPD_Isolate.pdf.

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