Appendix

Case Definitions for Pneumococcal Disease

Case Definitions: Identification of the following signs and symptoms occurring on or after September 1, 2018 in a person who has been incarcerated or who has had prolonged or close contact with a person incarcerated in Facility A:

1. Suspected pneumococcal case:
   a. Suspected pneumonia
      i. Pneumonia diagnosed by clinician but no radiographic studies obtained or radiographs were negative
   b. Symptomatic respiratory infection
      i. ≥2 below, without meeting any of the above case definitions:
         1. Fever ≥38°C
         2. Cough
         3. Chest pain
         4. Difficulty breathing
         5. Sore throat
         6. Ear pain
   c. Symptomatic bacterial meningitis
      i. ≥2 below, without meeting any of the above case definitions:
1. Fever $\geq 38^\circ$C
2. Neck stiffness
3. Altered mental status
4. Other meningeal signs

2. Probable pneumococcal case:
   a. Radiographically confirmed pneumonia (either chest radiography or computed tomography scan) or clinical sepsis without laboratory evidence of *Streptococcus pneumoniae* (i.e., in the absence of the laboratory tests listed above)
   b. Laboratory evidence of bacterial meningitis
      i. Cerebrospinal fluid without *S. pneumoniae* identified, but with any of the following features:
         1. Turbid appearance
         2. Leukocytosis ($>100$ cells mm$^3$)
         3. Leukocytosis ($10–100$ cells mm$^3$) AND either an elevated protein ($>100$mg/dL) or decreased glucose ($<40$mg/dL)

3. Confirmed pneumococcal case:
   a. Invasive pneumococcal disease
      i. *S. pneumoniae* isolated from a normally sterile site (e.g., blood, cerebrospinal fluid, pleural fluid)
   b. Noninvasive pneumococcal disease
      i. Clinical illness compatible with *S. pneumoniae* (radiographically confirmed or clinically diagnosed pneumonia or otitis media) and isolation of *S. pneumoniae* from a nonsterile site (e.g., endotracheal specimen, sputum, otorrhea, nasal swab) or positive pneumococcal urinary antigen test in the absence of 23-valent pneumococcal polysaccharide vaccine receipt in the last 5 days