

Pneumococcal Disease Outbreak at State Prison, Alabama, USA, September 1–October 10, 2018

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 $\geq 38^{\circ}\text{C}$

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 $\geq 38^{\circ}\text{C}$
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 ($>100\text{mg/dL}$) or decreased glucose ($<40\text{mg/dL}$)

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