

TENNESSEE DEPARTMENT OF HEALTH

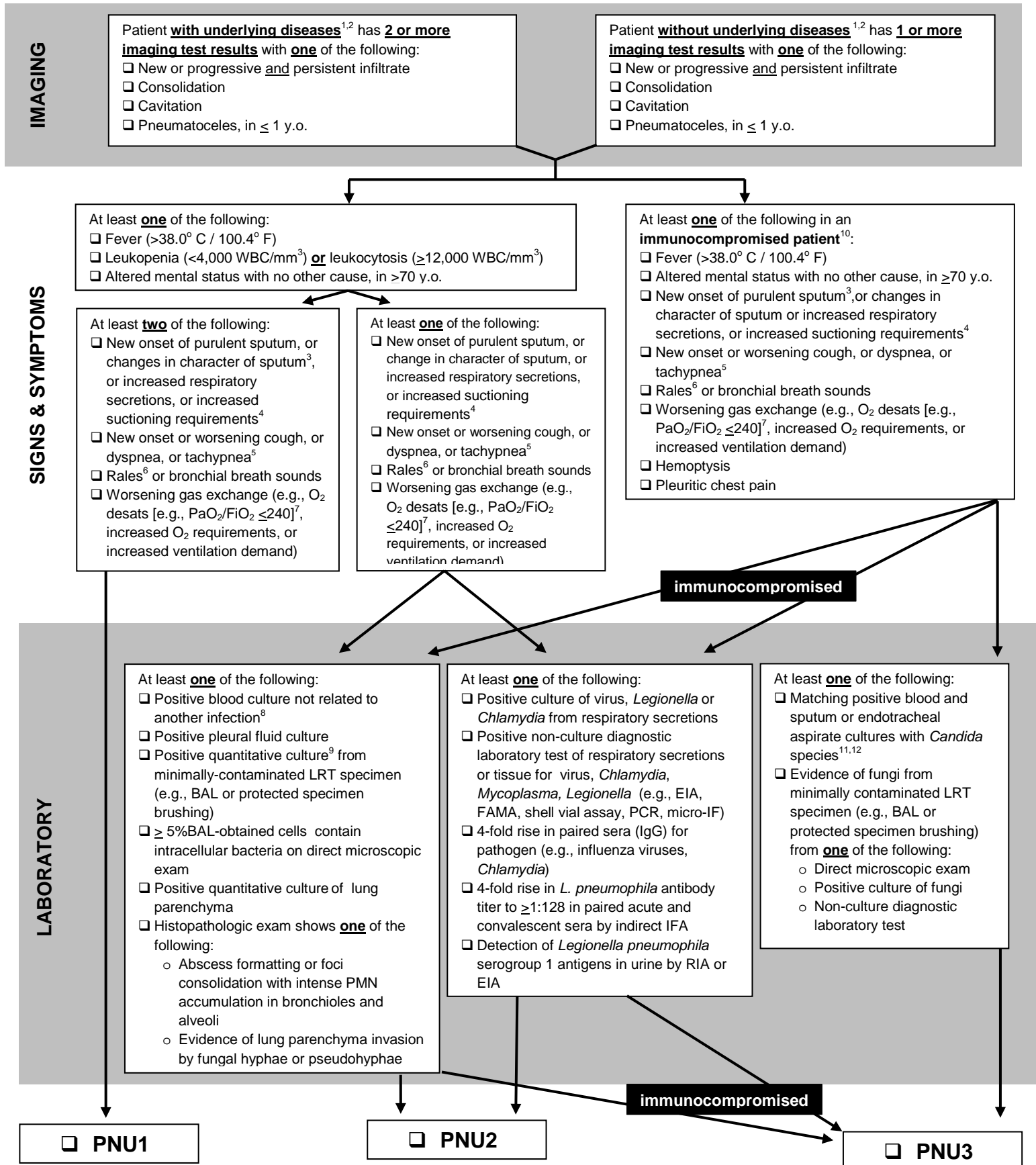
HEALTHCARE-ASSOCIATED INFECTIONS AND ANTIMICROBIAL RESISTANCE PROGRAM

HAI Surveillance Definitions

PNEUMONIA FLOW DIAGRAM



Criteria for ANY Age



Alternative Criteria for Infants and Children

Instructions: complete form ONLY if imaging criteria are met

IMAGING

Patient **with underlying diseases**^{1,2} has **2 or more** imaging test results with **one** of the following:

- ☐ New or progressive and persistent infiltrate
- ☐ Consolidation
- ☐ Cavitation
- ☐ Pneumatoceles, in ≤ 1 y.o.

Patient **without underlying diseases**^{1,2} has **1 or more** imaging test results with **one** of the following:

- ☐ New or progressive and persistent infiltrate
- ☐ Consolidation
- ☐ Cavitation
- ☐ Pneumatoceles, in ≤ 1 y.o.

SIGNS & SYMPTOMS

Infants ≤ 1 y.o.

☐ Worsening gas exchange (e.g., O_2 desats [e.g., pulse oximetry $< 94\%$], increased O_2 requirements, or increased ventilation demand)

And **three** of the following:

- ☐ Temperature instability
- ☐ Leukopenia ($< 4,000$ WBC/mm³) **or** leukocytosis ($\geq 15,000$ WBC/mm³) and left shift ($\geq 10\%$ band forms)
- ☐ New onset of purulent sputum³, or change in character of sputum⁴, or increased respiratory secretions, or increased suctioning requirements
- ☐ Apnea, tachypnea⁵, nasal flaring with retraction of chest wall or grunting
- ☐ Wheezing, rales⁶ or rhonchi
- ☐ Cough
- ☐ Bradycardia (< 100 beats/min) or tachycardia (> 170 beats/min)

Children > 1 or ≤ 12 y.o.

At least **three** of the following:

- ☐ Fever ($> 38.0^\circ$ C/ 100.4° F) or hypothermia ($< 36.0^\circ$ C/ 96.8° F)
- ☐ Leukopenia ($< 4,000$ WBC/mm³) **or** leukocytosis ($\geq 15,000$ WBC/mm³)
- ☐ New onset of purulent sputum³, or change in character of sputum⁴, or increased respiratory secretions, or increased suctioning requirements
- ☐ New onset or worsening cough, or dyspnea, apnea, or tachypnea⁵
- ☐ rales⁶ or bronchial breath sounds
- ☐ Worsening gas exchange (e.g., O_2 desats [e.g., pulse oximetry $< 94\%$], increased O_2 requirements, or increased ventilation demand)

☐ **PNU1**

Clinically defined pneumonia