

2026 NHSN Pneumonia (PNEU) Checklist

Pneumonia (PNEU) Summary		
Criterion	Criterion Met	Date of Event (DOE)
PNU1 (patients of any age)	<input type="checkbox"/>	
PNU1 (infants ≤ 1 year old)	<input type="checkbox"/>	
PNU1 (child > 1 year old or ≤ 12 years old)	<input type="checkbox"/>	
PNU2 (Pneumonia with Common Bacterial or Filamentous Fungal Pathogens and Specific Laboratory Findings)	<input type="checkbox"/>	
PNU2 (Viral, Legionella, and other Bacterial Pneumonias with Definitive Laboratory Findings)	<input type="checkbox"/>	
PNU3 (Immunocompromised Patients)	<input type="checkbox"/>	
Please refer to Chapter 6 Pneumonia (PNEU) Event of the Patient Safety Manual for additional information.		

NOTE: The PNEU Algorithms (PNU1,2,3) include [FOOTNOTE](#) references. The interpretation and guidance provided in the **FOOTNOTES** are an important part of the algorithms and must be incorporated into the decision-making process when determining if a PNEU definition is met.

Documentation Review Checklist

Pneumonia 1 (PNU1)

Must meet at least one of the following criteria:

PNU1: ANY PATIENT, any age group

Element	Element Met	Date
Patient has <u>one of the following</u> found in two or more serial chest imaging test results^{1, 2, 13}:		
Either new and persistent OR progressive and persistent		
<ul style="list-style-type: none"> • Infiltrate • Consolidation • Cavitation • Pneumatoceles, in infants ≤ 1 year old 	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<i>NOTE: In patients without underlying pulmonary or cardiac disease (such as respiratory distress syndrome, bronchopulmonary dysplasia, pulmonary edema, or chronic obstructive pulmonary disease), <u>at least one definitive chest imaging test result is acceptable</u>¹.</i>		
AND Patient has at least <u>one</u> of the following:		
<ul style="list-style-type: none"> • Fever (> 38.0°C or > 100.4°F) • Leukopenia (≤ 4,000 WBC/mm³) • Leukocytosis (≥ 12,000 WBC/mm³) • Adults ≥ 70 years old, altered mental status with no other recognized cause 	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
AND Patient has at least <u>two</u> of the following (from separate bullets):		
<ul style="list-style-type: none"> • New onset of purulent sputum³ or change in character of sputum⁴, or increased respiratory secretions, or increased suctioning requirements • Dyspnea, or tachypnea⁵, or new onset or worsening cough • Rales⁶ or bronchial breath sounds • Worsening gas exchange (for example: O₂ desaturations (for example, PaO₂/FiO₂ ≤ 240)⁷, increased oxygen requirements, or increased ventilator demand) 	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
PNU1: ALTERNATE CRITERIA, for infants ≤ 1 year old		
Element	Element Met	Date
Patient has <u>one of the following</u> found in two or more serial chest imaging test results^{1, 2, 13}:		
Either new and persistent OR progressive and persistent		
<ul style="list-style-type: none"> • Infiltrate • Consolidation • Cavitation • Pneumatoceles, in infants ≤ 1 year old 	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<i>NOTE: In patients without underlying pulmonary or cardiac disease (such as respiratory distress syndrome, bronchopulmonary dysplasia, pulmonary edema, or chronic obstructive pulmonary disease), <u>at least one definitive chest imaging test result is acceptable</u>¹.</i>		
AND Patient has:		
Worsening gas exchange (for example: O ₂ desaturations [for example pulse oximetry < 94%], increased oxygen requirements, or increased ventilator demand)	<input type="checkbox"/>	
AND Patient has at least <u>three</u> of the following (from separate bullets):		

• Temperature instability	<input type="checkbox"/>	
• Leukopenia (≤ 4000 WBC/mm 3) <u>or</u> leukocytosis ($\geq 15,000$ WBC/mm 3) and left shift ($\geq 10\%$ band forms)	<input type="checkbox"/>	
• New onset of purulent sputum ³ or change in character of sputum ⁴ , or increased respiratory secretions, or increased suctioning requirements	<input type="checkbox"/>	
• Apnea, tachypnea ⁵ , nasal flaring with retraction of chest wall, or nasal flaring with grunting	<input type="checkbox"/>	
• Wheezing, rales ⁶ , or rhonchi	<input type="checkbox"/>	
• Cough	<input type="checkbox"/>	
• Bradycardia (< 100 beats/min) or tachycardia (> 170 beats/min)	<input type="checkbox"/>	

PNU1: ALTERNATE CRITERIA, for child > 1 year old or ≤ 12 years old

Element	Element Met	Date
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Patient has **one of the following** found in two or more serial chest imaging test results^{1, 2, 13}:

Either new and persistent **OR** progressive and persistent

• Infiltrate	<input type="checkbox"/>	
• Consolidation	<input type="checkbox"/>	
• Cavitation	<input type="checkbox"/>	

*NOTE: In patients **without** underlying pulmonary or cardiac disease (such as respiratory distress syndrome, bronchopulmonary dysplasia, pulmonary edema, or chronic obstructive pulmonary disease), at least one definitive chest imaging test result is acceptable¹.*

AND Patient has at least **three** of the following (from separate bullets):

• Fever ($> 38.0^{\circ}\text{C}$ or $> 100.4^{\circ}\text{F}$) or hypothermia ($< 36.0^{\circ}\text{C}$ or $< 96.8^{\circ}\text{F}$)	<input type="checkbox"/>	
• Leukopenia (≤ 4000 WBC/mm 3) or leukocytosis ($\geq 15,000$ WBC/mm 3)	<input type="checkbox"/>	
• New onset of purulent sputum ³ or change in character of sputum ⁴ , or increased respiratory secretions, or increased suctioning requirements	<input type="checkbox"/>	
• Dyspnea, or apnea, or tachypnea ⁵ , or new onset or worsening cough	<input type="checkbox"/>	
• Rales ⁶ or bronchial breath sounds	<input type="checkbox"/>	
• Worsening gas exchange (for example: O ₂ desaturations [for example pulse oximetry $< 94\%$], increased oxygen requirements, or increased ventilator demand)	<input type="checkbox"/>	

Reviewer Notes/Comments:

Documentation Review Checklist

Pneumonia 2 (PNU2)

PNU2: Specific Site Algorithms for Pneumonia with Common Bacterial or Filamentous Fungal Pathogens and Specific Laboratory Findings

Element	Element Met	Date
Patient has one of the following found in two or more serial chest imaging test results ^{1, 2, 13} :		
Either new and persistent OR progressive and persistent		
<ul style="list-style-type: none"> • Infiltrate • Consolidation • Cavitation • Pneumatoceles, in infants ≤ 1 year old 	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<p><i>NOTE: In patients without underlying pulmonary or cardiac disease (such as respiratory distress syndrome, bronchopulmonary dysplasia, pulmonary edema, or chronic obstructive pulmonary disease), at least one definitive chest imaging test result is acceptable¹.</i></p>		
AND Patient has at least one of the following:		
<ul style="list-style-type: none"> • Fever (> 38.0°C or > 100.4°F) • Leukopenia (≤ 4,000 WBC/mm³) • Leukocytosis (≥ 12,000 WBC/mm³) • Adults ≥ 70 years old, altered mental status with no other recognized cause 	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
AND Patient has at least one of the following:		
<ul style="list-style-type: none"> • New onset of purulent sputum³ or change in character of sputum⁴, or increased respiratory secretions, or increased suctioning requirements • Dyspnea, or tachypnea⁵, or new onset or worsening cough • Rales⁶ or bronchial breath sounds • Worsening gas exchange (for example: O₂ desaturations (for example, PaO₂/FiO₂ ≤ 240)⁷, increased oxygen requirements, or increased ventilator demand) 	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
AND Patient has at least one of the following:		
<ul style="list-style-type: none"> • Organism identified from blood^{8, 12} • Organism identified from pleural fluid^{9, 12} • Positive quantitative culture or corresponding semi-quantitative culture result⁹ from minimally contaminated LRT specimen (specifically BAL, protected specimen brushing, or endotracheal aspirate) • Positive quantitative culture or corresponding semi-quantitative culture result⁹ of lung tissue • ≥ 5% BAL-obtained cells contain intracellular bacteria on direct microscopic exam (for example, Gram stain) • Histopathologic exam shows at least one of the following evidences of pneumonia: <ul style="list-style-type: none"> ○ Abscess formation or foci of consolidation with intense PMN accumulation in bronchioles and alveoli ○ Evidence of lung parenchyma invasion by fungal hyphae or pseudohyphae 	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
Reviewer Notes/Comments:		

Documentation Review Checklist

Pneumonia 2 (PNU2)

PNU2: Specific Site Algorithms for Viral, Legionella, and other Bacterial Pneumonias with Definitive Laboratory Findings

Element	Element Met	Date
Patient has one of the following found in two or more serial chest imaging test results ^{1, 2, 13} :		
Either new and persistent OR progressive and persistent		
<ul style="list-style-type: none"> • Infiltrate • Consolidation • Cavitation • Pneumatoceles, in infants ≤ 1 year old 	<input type="checkbox"/>	<input type="checkbox"/>
<p>NOTE: In patients without underlying pulmonary or cardiac disease (such as respiratory distress syndrome, bronchopulmonary dysplasia, pulmonary edema, or chronic obstructive pulmonary disease), at least one definitive chest imaging test result is acceptable¹.</p>		
AND Patient has at least one of the following:		
<ul style="list-style-type: none"> • Fever (> 38.0°C or > 100.4°F) • Leukopenia ($\leq 4,000$ WBC/mm3) • Leukocytosis ($\geq 12,000$ WBC/mm3) • Adults ≥ 70 years old, altered mental status with no other recognized cause 	<input type="checkbox"/>	<input type="checkbox"/>
AND Patient has at least one of the following:		
<ul style="list-style-type: none"> • New onset of purulent sputum³ or change in character of sputum⁴, or increased respiratory secretions, or increased suctioning requirements • Dyspnea, or tachypnea⁵, or new onset or worsening cough • Rales⁶ or bronchial breath sounds • Worsening gas exchange (for example: O₂ desaturations (for example, PaO₂/FiO₂ ≤ 240), increased oxygen requirements, or increased ventilator demand) 	<input type="checkbox"/>	<input type="checkbox"/>
AND Patient has at least one of the following:		
<ul style="list-style-type: none"> • Virus, <i>Bordetella</i>, <i>Legionella</i>, <i>Chlamydia</i>, or <i>Mycoplasma</i> identified from respiratory secretions or tissue by a culture or non-culture based microbiologic testing method which is performed for purposes of clinical diagnosis or treatment (for example: not Active Surveillance Culture/Testing (ASC/AST)) • Fourfold rise in paired sera (IgG) for pathogen (for example: influenza viruses, <i>Chlamydia</i>) • Fourfold rise in <i>Legionella pneumophila</i> serogroup 1 antibody titer to $\geq 1:128$ in paired acute and convalescent sera by indirect IFA • Detection of <i>L. pneumophila</i> serogroup 1 antigens in urine by RIA or EIA 	<input type="checkbox"/>	<input type="checkbox"/>
Reviewer Notes/Comments:		

Documentation Review Checklist

Pneumonia 3 (PNU3)

PNU3: Specific Site Algorithms for Pneumonia in Immunocompromised Patients

Element	Element Met	Date
Patient has <u>one of the following</u> found in two or more serial chest imaging test results ^{1 2 13} :		
Either new and persistent OR progressive and persistent		
<ul style="list-style-type: none"> • Infiltrate • Consolidation • Cavitation • Pneumatoceles, in infants ≤ 1 year old 	<input type="checkbox"/>	
<p>NOTE: In patients without underlying pulmonary or cardiac disease (such as respiratory distress syndrome, bronchopulmonary dysplasia, pulmonary edema, or chronic obstructive pulmonary disease), at least one definitive chest imaging test result is acceptable¹.</p>		
AND Patient is immunocompromised ¹⁰	<input type="checkbox"/>	
AND Patient has at least <u>one</u> of the following:		
<ul style="list-style-type: none"> • Fever (> 38.0°C or > 100.4°F) • Adults ≥ 70 years old, altered mental status with no other recognized cause • New onset of purulent sputum³ or change in character of sputum⁴, or increased respiratory secretions, or increased suctioning requirements • Dyspnea, or tachypnea⁵, or new onset or worsening cough • Rales⁶ or bronchial breath sounds • Worsening gas exchange (for example: O₂ desaturations [for example: PaO₂/FiO₂ ≤ 240]⁷, increased oxygen requirements, or increased ventilator demand) • Hemoptysis • Pleuritic chest pain 	<input type="checkbox"/>	
AND Patient has at least <u>one</u> of the following:		
<ul style="list-style-type: none"> • Identification of matching <i>Candida</i> spp. from blood and one of the following respiratory specimens: sputum, endotracheal aspirate, BAL, or protected specimen brushing^{11 12}; blood specimen and respiratory specimen must have collection dates that occur within the same IWP • Evidence of fungi (excluding any <i>Candida</i> and yeast not otherwise specified) from minimally contaminated LRT specimen (specifically BAL, protected specimen brushing, or endotracheal aspirate) from one of the following: <ul style="list-style-type: none"> ○ Direct microscopic exam ○ Positive culture of fungi ○ Non-culture diagnostic laboratory test 	<input type="checkbox"/>	
OR Any of the following from:		
<ul style="list-style-type: none"> • LABORATORY CRITERIA DEFINED UNDER PNU2 	<input type="checkbox"/>	
Reviewer Notes/Comments:		

Footnotes to Algorithms:

1. **Imaging – Persistence:** To help confirm difficult cases, multiple imaging test results spanning over several calendar days must be considered when determining if there is imaging test evidence of pneumonia. Pneumonia may have rapid onset and progression but does not resolve quickly. Imaging test evidence of pneumonia will persist. Rapid imaging resolution suggests that the patient does not have pneumonia, but rather a non-infectious process such as atelectasis or congestive heart failure.
 - The diagnosis of healthcare-associated pneumonia may be quite clear on the basis of signs, symptoms and a single definitive chest imaging test result. Therefore, in a patient without underlying pulmonary or cardiac disease and when there is only one imaging test available, if the imaging finding is an eligible and definitive finding, the imaging test evidence requirement can be met.
 - In patients without underlying disease if more than one imaging test is available the serial imaging test results (within a 7-day timeframe) must also be evaluated and must demonstrate persistence of eligible and definitive findings.
 - In patients with underlying pulmonary or cardiac disease (such as interstitial lung disease, congestive heart failure, etc.), the diagnosis of pneumonia may be particularly difficult. For example, imaging findings of pulmonary edema from decompensated congestive heart failure may simulate the presentation of pneumonia. Therefore, in patients with underlying disease, serial chest imaging test results (within a 7-day timeframe) must be examined and must demonstrate persistence of eligible and definitive findings to help separate infectious from non-infectious pulmonary processes.
2. **Imaging – Alternative Descriptors:** Note that there are many ways of describing the imaging appearance of pneumonia. Examples include, but are not limited to, “air-space disease”, “focal opacification”, “patchy areas of increased density”. Although perhaps not specifically delineated as pneumonia by the radiologist, in the appropriate clinical setting these alternative descriptive wordings should be seriously considered as potentially positive findings. If provided and the findings are not documented as attributed to another issue (for example, pulmonary edema, chronic lung disease) they are eligible for meeting imaging test evidence of pneumonia.
3. **New onset of purulent sputum:** Purulent sputum is defined as secretions from the lungs, bronchi, or trachea that contain ≥ 25 neutrophils and ≤ 10 squamous epithelial cells per low power field (x100). Refer to the [table below](#) if your laboratory reports these data semi-quantitatively or uses a different format for reporting Gram stain or direct examination results (for example, “many WBCs” or “few squamous epithelial cells”). This laboratory confirmation is required since written clinical descriptions of purulence are highly variable.

How do I use the purulent respiratory secretions criterion if ...	Instruction
My laboratory reports counts of “white blood cells” or “polymorphonuclear leukocytes” or “leukocytes” rather than counts of “neutrophils”?	Assume that counts of cells identified by these other descriptors (for example, “white blood cells”) are equivalent to counts of neutrophils, unless the laboratory tells you this is not the case.
My laboratory reports semi-quantitative results (not quantitative results) for numbers of neutrophils and squamous epithelial cells?	Check with the laboratory to get information about what quantitative ranges the semi-quantitative reports correspond to.
My laboratory cannot provide additional information on how its semi-quantitative reporting corresponds to quantitative reporting ranges for neutrophils and squamous epithelial cells?	Use the following direct examination results to meet the purulent respiratory secretions criterion: many, heavy, numerous, 4+, or ≥ 25 neutrophils per low power field (lpf) [x100], AND no, rare, occasional, few, 1+ or 2+, or ≤ 10 squamous epithelial cells per lpf [x100].
My laboratory reports <u>only</u> the numbers of neutrophils present, without reporting the number of squamous epithelial cells?	In this situation, the purulent secretions criterion may be met using the specified quantitative and semi-quantitative thresholds for neutrophils alone (specifically many, heavy, numerous, 4+, or ≥ 25 neutrophils per lpf [x100]).
My laboratory uses different reporting thresholds for neutrophils and squamous epithelial cells (for example, maximum report of ≥ 20 neutrophils per low power field [x100], or minimum report of ≤ 15 squamous epithelial cells per low power field [x100])?	In this situation, the purulent secretions criterion may be met using the laboratory’s specified maximum quantitative threshold for neutrophils, and/or minimum quantitative threshold for squamous epithelial cells.
My laboratory processes respiratory specimens such as bronchoalveolar lavage fluid using a centrifugation procedure (for example, “cytospin”), and there is no quantitation or semi-quantitation of neutrophils or white blood cells in the direct examination report?	In this situation, a report indicating the presence of white blood cells, without quantitation, is sufficient to meet the purulent secretions criterion.

4. **Change in character of sputum:** Refers to the color, consistency, odor, and quantity of sputum.

5. **Tachypnea:** Defined by age-based respiration rates (breaths per minute) in the table below.

Age Group	Respiration Rate
Adults	> 25 breaths per minute
Children > 1 year old	> 30 breaths per minute
Children 2 months – 12 months old	> 50 breaths per minute
Infants < 2 months old	> 60 breaths per minute
Premature infants born at < 37 weeks gestation and until the 40 th week	> 75 breaths per minute

6. **Rales:** May also be described as “crackles.”

7. **PaO₂/FiO₂ ≤ 240:** This measure of arterial oxygenation is defined as the ratio of the arterial tension (PaO₂) to the inspiratory fraction of oxygen (FiO₂).

8. **Organism identified from blood:** Any coagulase-negative *Staphylococcus* species, any *Enterococcus* species and any *Candida* species or yeast not otherwise specified that are identified from blood cannot be deemed secondary to a PNEU event, unless the organism was also identified from lung tissue or pleural fluid (where specimen was obtained during thoracentesis or within 24 hours of chest tube placement; a pleural fluid specimen collected after a chest tube is repositioned or from a chest tube in

place > 24 hours is not eligible). This applies when meeting PNU2 or when meeting PNU3 (for patients meeting the immunocompromised definition) with the laboratory findings found in PNU2.

Exception: Identification of matching *Candida* spp. from blood and sputum, endotracheal aspirate, BAL, or protected specimen brushing with specimen collection dates in the same IWP can be used to satisfy PNU3 definition for patients meeting the immunocompromised definition (see [footnote 10](#)).

9. Organism identified from minimally contaminated LRT specimens, pleural fluid, and lung tissue (Table 2):

Refer to threshold values in [Table 5](#) for cultured specimens (lung tissue, BAL, protected specimen brushing, or endotracheal aspirate) with growth of eligible pathogens.

Notes:

- A specimen that is not obtained through an artificial airway (specifically an endotracheal tube or a tracheostomy) is not considered minimally contaminated and is not eligible for use in meeting the laboratory criteria for PNEU (PNU2 or PNU3 when using the laboratory findings found in PNU2). Sputum or tracheal secretions collected from a non-ventilated patient are not minimally contaminated specimens.
- The following organisms can only be used to meet PNEU definitions when identified from lung tissue or pleural fluid obtained during thoracentesis or within 24 hours of chest tube placement (not from a chest tube that has been repositioned or from a chest tube that has been in place > 24 hours):
 - Any coagulase-negative *Staphylococcus* species
 - Any *Enterococcus* species
 - Any *Candida* species or yeast not otherwise specified. Exception: identification of matching *Candida* spp. from blood and sputum, endotracheal aspirate, BAL, or protected specimen brushing with specimen collection dates in the same IWP can be used to satisfy PNU3 definition for immunocompromised patients (see [footnote 10](#)).

Table 5: Threshold values for cultured specimens used in the diagnosis of pneumonia

Specimen collection/technique	Values*
Lung tissue [†]	$\geq 10^4$ CFU/g tissue
Bronchoscopically (B) obtained specimens	
Bronchoalveolar lavage (B-BAL)	$\geq 10^4$ CFU/ml
Protected BAL (B-PBAL)	$\geq 10^4$ CFU/ml
Protected specimen brushing (B-PSB)	$\geq 10^3$ CFU/ml
Nonbronchoscopically (NB) obtained (blind) specimens	
NB-BAL	$\geq 10^4$ CFU/ml
NB-PSB	$\geq 10^3$ CFU/ml
Endotracheal aspirate (ETA)	$\geq 10^5$ CFU/ml

CFU = colony forming units

g = gram

ml = milliliter

*Consult with your laboratory to determine if reported semi-quantitative results match the quantitative thresholds. In the absence of additional information available from your laboratory, a semi-quantitative result of "moderate" or "heavy" or "many" or "numerous" growth, or 2+, 3+ or 4+ growth is considered to correspond.

[†]Lung tissue specimens obtained by either open or closed lung biopsy methods. For post-mortem specimens, only lung tissue specimens obtained by transthoracic or transbronchial biopsy that are collected immediately post-mortem are eligible for use.

10. **Immunocompromised** patients include only

- those with neutropenia defined as absolute neutrophil count or total white blood cell count (WBC) $< 500/\text{mm}^3$
- those with leukemia, lymphoma or who are HIV positive with CD4 count $< 200 \text{ cells/mm}^3$
- those who have undergone splenectomy
- those who have a history of solid organ or hematopoietic stem cell transplant
- those on cytotoxic chemotherapy
- those on enteral or parenteral administered steroids (exclude inhaled and topical steroids) daily for > 14 consecutive days on the date of event

11. **Identification of matching *Candida* spp. from blood and respiratory specimens for PNU3 (Table 4):**

Sputum obtained by any method (such as deep cough, induction, aspiration, or lavage) are acceptable specimens. Any quantity of organism identified is acceptable, to include all non-quantitative, semi-quantitative, and quantitative results.

12. **Organism identified from blood (Table 2), organism identified from pleural fluid (Table 2), and identification of matching *Candida* spp. from blood and respiratory specimens for PNU3 (Table 4):**

Identification of organism by a culture or non-culture based microbiologic testing method, which is performed for purposes of clinical diagnosis or treatment (for example, not Active Surveillance Culture/Testing (ASC/AST)).

13. **Imaging – Equivocal Results:** If the imaging test result is equivocal for pneumonia, first check to see if subsequent imaging test results are definitive. For example, if a chest imaging test result states infiltrate vs. atelectasis and a subsequent imaging test result is definitive for infiltrate, the equivocal imaging test would be eligible for use. If a chest imaging test result states infiltrate vs. atelectasis and a subsequent imaging test result is definitive for atelectasis, the equivocal imaging test would not be eligible for use. In the absence of finding a subsequent imaging test result that clarifies the equivocal finding, if there is clinical correlation then the equivocal imaging test is eligible for use. See [Chapter 16](#) for definitions of Equivocal imaging and Clinical correlation.