

# Loeb Minimum Criteria for the Initiation of Antibiotics in Residents of Long-Term Care Facilities



Facility name: \_\_\_\_\_ Reviewer name: \_\_\_\_\_ Date of review: \_\_\_\_\_

Resident name: \_\_\_\_\_ Date of infection: \_\_\_\_\_ Initiate antibiotic?  Yes  No

<b>Skin and soft-tissue infection (SSTI)</b>	Criteria for the initiation of antibiotics	<b>SSTI evaluated</b> <input type="checkbox"/>	<b>Criteria met</b> <input type="checkbox"/>
	Any ONE of the following: <input type="checkbox"/> New or increasing purulent drainage at a wound, skin, or soft-tissue site <input type="checkbox"/> At least TWO of the following: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Fever*  <input type="checkbox"/> Redness  <input type="checkbox"/> Tenderness                 </div> <div> <input type="checkbox"/> Warmth  <input type="checkbox"/> Swelling (new or increasing at the affected site)                 </div> </div>		
<i>Note: These minimum criteria do not apply to residents with burns. Surgical consultation and hospitalization are mandatory for certain soft-tissue infections (e.g., necrotizing fasciitis or gas gangrene)</i>			

<b>Lower respiratory tract infection (LRTI)</b>	Criteria for the initiation of antibiotics	<b>LRTI evaluated</b> <input type="checkbox"/>	<b>Criteria met</b> <input type="checkbox"/>
	Any ONE of the following: <input type="checkbox"/> Respiratory rate >25 breaths/minute <span style="float: right;"><input type="checkbox"/> Productive cough</span>		
Temp >38.9°C/102°F	<input type="checkbox"/> Presence of a cough <b>AND</b> <input type="checkbox"/> At least ONE of the following: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Pulse &gt;100 beats/minute  <input type="checkbox"/> Delirium**                 </div> <div> <input type="checkbox"/> Rigors (shaking chills)  <input type="checkbox"/> Respiratory rate &gt;25 breaths/minute                 </div> </div>		
Temp >37.9°C/100°F (or 1.5°C/2.4°F above baseline)	<input type="checkbox"/> A new or increased cough with purulent sputum production		
Afebrile, COPD and age >65	<input type="checkbox"/> A new or increased cough with purulent sputum production <b>AND</b> <input type="checkbox"/> At least ONE of the following: <input type="checkbox"/> Delirium** <span style="float: right;"><input type="checkbox"/> Respiratory rate &gt;25 breaths/minute</span>		
Afebrile without COPD	Any ONE of the following: <input type="checkbox"/> Fever* <span style="float: right;"><input type="checkbox"/> Productive cough</span> <input type="checkbox"/> Respiratory rate >25 breaths/minute		
New infiltrate in chest X-ray consistent with pneumonia	<i>Note: Empirical antibiotics should not be used for up to 24 hours after large-volume aspiration, for those with cough and fever (temp 38.9°C/102°F), and a nonproductive cough without COPD. Consider CBC with differential and chest X-ray for those with fever, cough, and any of the following: pulse &gt;100, worsening mental status, or rigors</i>		

<b>Urinary tract infection (UTI)</b>	Criteria for the initiation of antibiotics	<b>UTI evaluated</b> <input type="checkbox"/>	<b>Criteria met</b> <input type="checkbox"/>
	Any ONE of the following: <input type="checkbox"/> Acute dysuria <span style="float: right;"><input type="checkbox"/> Fever*</span> <b>AND</b> At least ONE of the following: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> New or worsening urgency  <input type="checkbox"/> Frequency  <input type="checkbox"/> Suprapubic pain                 </div> <div> <input type="checkbox"/> Gross hematuria  <input type="checkbox"/> Costovertebral angle tenderness  <input type="checkbox"/> Urinary incontinence                 </div> </div>		
Without an indwelling catheter (Or with intermittent catheterization, or condom catheters)	Any ONE of the following: <input type="checkbox"/> Fever* <span style="float: right;"><input type="checkbox"/> Rigors</span> <input type="checkbox"/> New costovertebral tenderness <span style="float: right;"><input type="checkbox"/> New onset of delirium**</span>		
With chronic indwelling catheter	<i>Note: Urine culture should be obtained prior to initiating antibiotic. Antibiotics should not be initiated for cloudy or foul-smelling urine, or asymptomatic bacteriuria.</i>		

<b>Fever of unknown origin (FOUO)</b>	Criteria for the initiation of antibiotics	<b>FOUO evaluated</b> <input type="checkbox"/>	<b>Criteria met</b> <input type="checkbox"/>
	<input type="checkbox"/> Fever* <b>AND</b> Any ONE of the following: <input type="checkbox"/> New onset of delirium** <span style="float: right;"><input type="checkbox"/> Rigors</span>		
<i>Note: Empirical antibiotics should not be initiated for fever* and mental status changes that do not meet the criteria for delirium**</i>			

\* Fever refers to a temperature >37.9°C/100°F or an increase of 1.5°C/2.4°F above baseline  
 \*\* Delirium refers to a disturbance in attention (i.e., reduced ability to direct, focus, sustain, and shift attention) and awareness (reduced orientation to the environment); onset over a short period of time (hours to days) with symptoms that fluctuate throughout the day; an additional cognitive disturbance (e.g., memory deficit, disorientation, language, visuospatial ability, or perception); symptoms not better explained by another neurocognitive disorder or a severely reduced level of arousal (e.g., coma); and evidence that the disturbance is a direct physiological consequence of a medical condition, substance intoxication or withdrawal, toxin exposure, or multiple etiologies. (Diagnostic and Statistical Manual of Mental Disorder, 5th edition)