



Adult Pneumonia

SUSPECTED LOWER RESPIRATORY TRACT INFECTION

» Fever $>38.9^{\circ}\text{C}$ [102°F] and at least one of the following:

- Respiratory rate >25 breaths/minute
- Productive cough

OR

» Fever ($>37.9^{\circ}\text{C}$ [100°F] or a 1.5°C [2.4°F] increase above baseline temperature, but $\leq 38.9^{\circ}\text{C}$ [102°F]) and cough and at least one of the following:

- Pulse >100 beats/minute
- Rigors
- New onset delirium
- Respiratory rate >25 breaths/minute

OR

- Afebrile resident with COPD and >65 years and new or increased cough with purulent sputum production

OR

» Afebrile resident without COPD and new cough with purulent sputum production and at least one of the following:

- Respiratory rate >25 breaths/minute
- New onset delirium

OR

» New infiltrate on chest X-ray thought to represent pneumonia and at least one of the following:

- Fever ($>37.9^{\circ}\text{C}$ [100°F] or a 1.5°C [2.4°F] increase above baseline temperature)
- Respiratory rate >25 breaths/minute
- Productive cough

Reference

Loeb M, Bentley DW, Bradley S, Crossley K, Garibaldi R, Gantz N, McGeer A, Muder RR, Mylotte J, Nicolle LE, Nurse B, Paton S, Simor AE, Smith P, Strausbaugh L. Development of minimum criteria for the initiation of antibiotics in residents of long-term-care facilities: results of a consensus conference. *Infect Control Hosp Epidemiol.* 2001 Feb;22(2):120-4. doi: 10.1086/501875. PMID: 11232875.



TREATMENT

Clinical setting	Risk factors	Preferred therapy	Therapy for life threatening penicillin allergy [§]
Community acquired pneumonia	No comorbidities	Amoxicillin 1g TID X 5 days	Doxycycline 100mg BID for X 5 days
	At least one of the following comorbidities: <ul style="list-style-type: none"> • Chronic heart disease • Chronic lung disease • Chronic liver disease • Chronic renal disease • Diabetes mellitus • Alcoholism • Malignancy • Asplenia 	Amoxicillin/ clavulanate 875/125mg BID for X 5 days PLUS EITHER Azithromycin 500mg X 3 days OR Doxycycline 100mg BID for X 5 days	Cefpodoxime 200mg BID X 5 days PLUS EITHER Azithromycin 500mg X 3 days OR Doxycycline 100mg BID for X 5 days

Metlay JP, Waterer GW, Long AC, et al. Diagnosis and Treatment of Adults with Community-acquired Pneumonia. An Official Clinical Practice Guideline of the American Thoracic Society and Infectious Diseases Society of America. *Am J Respir Crit Care Med.* 2019 Oct 1;200(7):e45-e67.

