

Community Acquired Pneumonia (CAP) Antibiotic Guidelines

Ambulatory patient without risk factors for Drug Resistant *Streptococcus Pneumoniae* (DRSP)¹

Oral monotherapy for *S. pneumoniae* & atypical organisms

Azithromycin 500 mg PO daily -or-
Doxycycline 100 mg PO q12h

Non-ICU Patient WITH risk factors for DRSP¹

B-lactam	(plus)	Coverage for atypical organisms
Ceftriaxone 1 gm IV push/IM daily -or- Ampicillin/sulbactam 3 gm IV q6h		Azithromycin 500 mg IV/PO daily -or- Doxycycline 100 mg IV/PO q12h
Antipseudomoccal Quinolone		
Levofloxacin 750 mg IV/PO daily		

ICU Patient WITHOUT risk factors for *Pseudomonas*^{2,3}

B-lactam	(plus)	Coverage for atypical organisms
Ceftriaxone 1 gm IV push daily -or- Ampicillin/sulbactam 3 gm IV q6h		Azithromycin 500 mg IV daily -or- Levofloxacin 750 mg IV daily

ICU Patient WITH risk factors for *Pseudomonas*^{2,3}

Antipseudomonal B-lactam	(plus)	Double pseudomonal coverage + coverage for atypical organisms
Piperacillin/tazobactam 4.5 gm IV q8h -or- Cefepime 1 gm IV q8h		Ciprofloxacin 400 mg IV q8h -or- Tobramycin 5 mg/kg AdBW IV q24h + Azithromycin 500 mg IV daily

AdBW = Adjusted Body Weight

ICU Patient WITH risk factors for Methicillin-resistant *Staphylococcus aureus* (MRSA)^{2,4}

MRSA Coverage

Vancomycin 1 gm IV q8-12h (goal Vancomycin trough level 15-20 µg/mL)
(Give vancomycin in addition to B-lactam + Atypical coverage)

1. Risk Factors for DRSP – Age > 65 years, alcoholism, systemic antibiotic therapy in the last 3 months prior to arrival, exposure to child in day care, medical co-morbidities (renal, heart, lung or liver disease documented within the last 3 months, diabetes mellitus, asplenia, or malignancies), injection drug user
2. First dose for ICU patients must be given IV
3. Risk Factors for *Pseudomonas* – Bronchiectasis or physician/advanced practice nurse/physician assistant documented pseudomonal risk
4. Risk Factors for MRSA - physician/advanced practice nurse/physician assistant documented MRSA risk

CAP antibiotics must be given after blood cultures are drawn and within six hours of patient registration

For antibiotic dosing or selection questions please call the EC pharmacy at 3-3891 or inpatient pharmacy at 8-2902

Guidelines Developed for University Health System, Department of Pharmacy Services and Division of Emergency Medicine

Approved by Anti-Infectives subcommittee (3/2015)

Approved by Pharmacy & Therapeutics Committee 6/2015