

Community acquired Pneumonia (CAP)

Standard regimen – patients with no prior isolation of MRSA or *Pseudomonas* spp in past 1 year and no recent hospitalization with IV antibiotics in past 90 days

Preferred

- Ceftriaxone 2g IV q 24 hrs (1 gm if < 80 kg) **PLUS**
Azithromycin 500mg IV q 24 hrs for 5 days

Alternate (Anaphylaxis to PCN &/or Severe Cephalosporin allergy)

- Levofloxacin 750mg IV q 24hrs

Patients with prior isolation of MRSA or *Pseudomonas* spp in past 1 year

- If MRSA: Select appropriate standard regimen above and IV vancomycin pharmacy to dose •
If *Pseudomonas* spp: Cefepime 1g IV q6h + azithromycin 500mg IV/PO daily x 5 days
- If *Pseudomonas* spp & anaphylaxis to PCN &/or severe cephalosporin allergy: Aztreonam 2g IV q8h + IV vancomycin pharmacy to dose + azithromycin 500mg IV/PO daily x 5 days

Patients with recent hospitalization and IV antibiotics in past 90 days

- Nonsevere: Select appropriate standard regimen above
- Severe*: Cefepime 1g IV q6h + IV vancomycin pharmacy to dose + azithromycin 500mg IV/PO daily x 5 days •
Severe & anaphylaxis to PCN &/or severe cephalosporin allergy: Aztreonam 2g IV q8h + IV vancomycin pharmacy to dose + azithromycin 500mg IV/PO daily x 5 days

*Severe pneumonia requires 1 major criterion or ≥ 3 minor criteria:

Major: Septic shock with vasopressor need, respiratory failure requiring mechanical ventilation Minor: Respiratory rate ≥ 30 breaths/min, PaO₂/FiO₂ ratio ≤ 250, multilobar infiltrates, confusion/disorientation, uremia (BUN ≥ 20), leukopenia (WBC < 4k), thrombocytopenia (platelets < 100k), hypothermia (temp < 36°C), hypotension requiring fluid resuscitation

Hospital Acquired/Ventilator Associated Pneumonia (HAP/VAP)

Non-ICU Treatment

Preferred regimen

- Cefepime 1g IV q 6 hrs **PLUS**
- Vancomycin 1 gm IV now then Pharmacy to dose

Alternate regimen (Anaphylaxis to Penicillin and/or Severe Cephalosporin allergy)

- Aztreonam 2g IV q 8 hrs **PLUS**
- Vancomycin 1 gm IV now then Pharmacy to dose

ICU Treatment

Preferred regimen

- Cefepime 1g IV q 6 hrs **PLUS**
- Levofloxacin 750mg IV x 1 dose **PLUS**
- Vancomycin 1 gm IV now then Pharmacy to dose

Alternate regimen (Anaphylaxis to Penicillin and/or Severe Cephalosporin allergy)

- Aztreonam 2g IV q 8 hrs **PLUS**
- Levofloxacin 750mg IV x 1 dose **PLUS**
- Vancomycin 1 gm IV now then Pharmacy to dose