ANMC Inpatient Adult Community-Acquired Pneumonia (CAP) Guideline			
Risk Factor Considerations			
 Structural lung disease such as bronchiectasis or exacerbations of COPD with multiple courses of antibiotics and/or chronic steroid use may warrant coverage for <i>Pseudomonas aeruginosa</i> Receipt of IV antibiotics in preceding 90 days is a risk factor for multi-drug resistant organisms (MRDO) 		 **NOTE: The following are NOT predictive of multi-drug resistant pneumonia and should NOT be used alone as an indication for empiric broad-spectrum coverage: Hospitalized in an acute care hospital for 2 or more days within 90 days of infection Resided in a nursing home or long term care facility Received recent chemotherapy or wound care in last 30 days Attended a hemodialysis clinic in the last 30 days 	
Treatment Recommendations			
Infection	Treatment		Duration
Community-acquired PNA	Preferred Therapy: • Ceftriaxone 1g IV q24hr (Cefepime 1g IV q8hr extended infusion if risk factors for MRDOs) PLUS Azithromycin 500mg PO/IV q24hr x3 days Anaphylactic β-Lactam Allergy: • • Levofloxacin 750mg PO/IV q24hr +/- Aztreonam 2g IV q8hr*		
Aspiration Pleuropulmonary Syndrome (Anaerobic coverage is clearly indicated only in the classic aspiration pleuropulmonary syndrome in pts with a h/o LOC as a result of EtOH/drug overdose or after seizures in pts with concomitant gingival disease or esophageal motility disorders)	Preferred Therapy: • Ampicillin/Sulbactam 3g IV q6hr (monotherapy) • If MRDO risk factors- Piperacillin/Tazobactam 3.375g IV q8hr • extended infusion (monotherapy) Penicillin Allergic (Non-Anaphylactic): • Ceftriaxone 1g IV q24hr +/- • Metronidazole 500mg PO/IV q8hr Anaphylactic β-Lactam Allergy: • Moxifloxacin 400mg PO/IV q24hr • If MRDO risk factors- Levofloxacin 750mg PO/IV q24hr PLUS Aztreonam 2g IV q8hr		 <u>5 days</u> for patients without immunosuppression or structural lung disease <u>7 days</u> for patients with moderate immunosuppression or structural lung disease <u>10-14 days</u> for poor clinical response, initial inappropriate tx, or significant immunosuppression Patients should be afebrile for 48-72hr and demonstrate signs of clinical stability before therapy is discontinued
If MRSA PNA is suspected due to severe, life- threatening CAP, <u>add</u> vancomycin or linezolid to above regimen	Vancomycin Loading Dose: o <50 kg: Vancomycin 1gm IV x 1 (then RPh to dose)		
Suspected or confirmed Influenza	Oseltamivir 75mg PO BID [®]		⊙ 5 days
Oral options to consider for de-escalation of β-lactam	Preferred Therapy: • Amoxicillin 1g PO TID [^] • Augmentin 875mg BID • Add additional amoxicillin 1g BID to Augmentin for CAP complicated by empyema, asplenia or Strep pneumo PenG MIC 2-4 Non-Anaphylactic PCN Allergy: • Cefuroxime axetil 500mg PO BID		o Total duration (IV + PO) as above
Consideration			
 *If risk factors present consider addition of aztreonam, or if fluoroquinolone exposure in previous 90 days ^Strep pneumo and/or cefinase negative H.influenzae / M.cattarhalis use high-dose amoxicillin © Higher doses of Tamiflu have not been associated with improved outcomes Consider Procalcitonin if question of pneumonia diagnosis or acute exacerbation of COPD, see ANMC Procalcitonin guideline for further guidance. Antimicrobial Stewardship Approved August 2017; Updated June 19, 2019 			