

MSH Emergency Department

Pediatric CAP Pathway

Date Created: 10/14/2021

Date Reviewed:

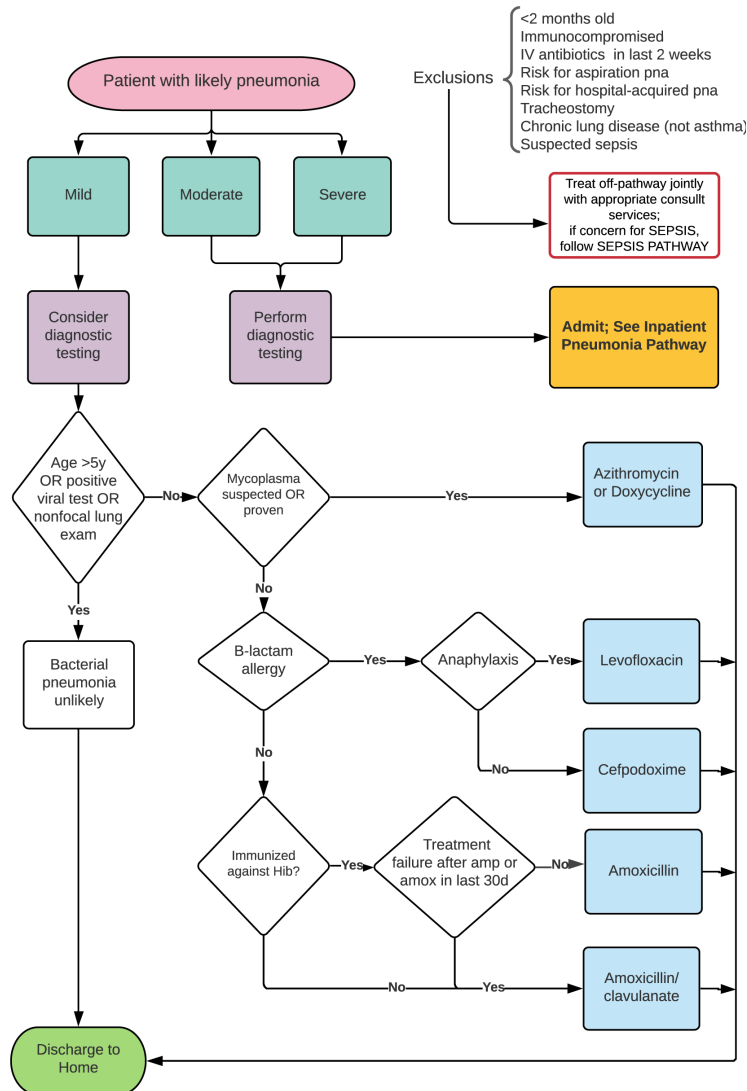
Reviewed By: S Bhadiraju, M Boyle, A Buttigieg, L Douglas, J Fune, N Hodo, D Lee, A Lim, L Ngai, R Posada, L Spina, J Tokarski, C Tran, L Zinns



History and physical exam <ul style="list-style-type: none"> Fever Tachypnea Hypoxia (O2 sat <94% on room air) Cough Retractions and/or nasal flaring Focal rales/crackles Chest pain Abdominal pain <p><i>Note: Mycoplasma/atypicals may have</i></p> <ul style="list-style-type: none"> Insidious onset (5-7 days) Headache, malaise, sore throat, prominent cough Diffuse rales on auscultation <p><i>Note: Pertussis may have</i></p> <ul style="list-style-type: none"> Paroxysmal, prolonged cough Post-tussive emesis Apnea
Clinical severity <p>Mild (ALL of the following)</p> <ul style="list-style-type: none"> Age >3 months No retractions, grunting, nasal flaring, apnea O2 saturation >90% RA Non-toxic appearance Tolerating orals No concerns for follow-up <p>Moderate (>1 of the following)</p> <ul style="list-style-type: none"> Age <3 months Dyspnea or retractions O2 saturation <90% RA Not tolerating orals Failure of appropriate antibiotic therapy for >48 hours Concern for poor follow-up Moderate pleural effusion <p>Severe (>1 of the following)</p> <ul style="list-style-type: none"> Severe retractions, grunting, nasal flaring, or apnea HFNC Mechanical ventilator support New/increased CPAP/BIPAP support Altered mental status Hemodynamic instability Large pleural effusion Effusion requiring emergent drainage
Testing <p>Mild - Consider</p> <ul style="list-style-type: none"> CBC, CRP CXR if diagnosis uncertain RPP, rapid RSV/influenza, SARS-CoV2 PCR <p>Moderate and Severe</p> <ul style="list-style-type: none"> CXR +/- US or CT if large effusion CBC, BMP, CRP/procalcitonin Consider RPP Consider MRSA nasal PCR Consider Respiratory culture if can expectorate Consider blood culture
Antibiotics <p>Amoxicillin: 30 mg/kg/dose PO q8h or 45mg/kg/dose PO q12h (max 1000 mg/dose; may consider max 2000 mg/dose if q12h)</p> <p>Amoxicillin/clavulanate: <40 kg: 30 mg/kg/dose PO q8h or 45 mg/kg/dose PO q12h using ES-600 suspension; ≥40 kg: 875 mg PO BID or 2 g XR tab PO BID</p> <p>Azithromycin: 10 mg/kg/dose (max 500 mg/dose) PO day 1, then 5 mg/kg/dose PO q24h (max 250mg/dose) days 2-5</p> <p>Cefpodoxime: 3 mo to <12 years: 5 mg/kg/dose PO q12h (max 200 mg/dose); ≥12 years: 200 mg PO q12h</p> <p>Doxycycline: 2.2 mg/kg/dose PO q12h (max 100 mg/dose)</p> <p>Levofloxacin: 6 months to <5 years: 10 mg/kg/dose PO q12h (max 375 mg/dose); ≥5 years: 10 mg/kg/dose PO q24h (max 750 mg/dose)</p>
Discharge Instructions <p>Supportive care</p> <p>If treating, antibiotics for 5 days</p> <p>Follow up with PCP within 2-3 days</p>

Pediatric Community-Acquired Pneumonia (CAP) Pathway

This pathway serves as a guide and DOES NOT replace clinical judgment



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Pediatric Community-Acquired Pneumonia (CAP) Inpatient Pathway

