

COMMUNITY ACQUIRED PNEUMONIA PATHWAY

ANTIMICROBIAL TABLE AND IMMUNIZATION DEFINITIONS

| Severity | First Line Therapy | Allergy to First Line Agent | Duration |
|---|---|---|--|
| Mild Pneumonia (Outpatient) | Amoxicillin 90mg/kg/day PO, divided q8-12 hrs (Max dose 4 g/day) | Levofloxacin ≥ 6 months to < 5 years: 10mg/kg/dose PO q12 hrs (Max dose 500 mg/dose) ≥ 5 years: 10mg/kg/dose PO q24 hrs (Max dose 750 mg/dose) | 5 days |
| Moderate Pneumonia (Inpatient/ICU) | Ampicillin 75mg/kg/dose IV q6 hrs (Max dose 2 g/dose) OR If NOT fully immunized (table below), consider Ceftriaxone monotherapy 50-75 mg/kg/dose IV q24 hrs (Max 2 g/dose) | Levofloxacin ≥ 6 months to < 5 years: 10mg/kg/dose PO q12 hrs (Max dose 500 mg/dose) ≥ 5 years: 10mg/kg/dose PO q24 hrs (Max dose 750 mg/dose) | 5-7 days |
| Severe Pneumonia (ICU) | Ceftriaxone 75mg/kg/dose IV q24 hrs (Max dose 2 g/dose) AND Vancomycin ≤ 50kg: 15mg/kg/dose IV q6 hrs (MAX dose 750 mg/dose) > 50 kg and/or > 18 years: 15mg/kg/dose q8 hrs (Max 1,000 mg/dose) | Levofloxacin ≥ 6 months to < 5 years: 10mg/kg/dose PO q12 hrs (Max dose 500 mg/dose) ≥ 5 years: 10mg/kg/dose PO q24 hrs (Max dose 750 mg/dose) AND Vancomycin ≤ 50kg: 15mg/kg/dose IV q6 hrs (MAX dose 750 mg/dose) > 50 kg and/or > 18 years: 15mg/kg/dose q8 hrs (Max 1,000 mg/dose) | 7-10 days |
| Atypical Pneumonia | Azithromycin 10mg/kg/dose IV/PO on days 1-2, single dose (Max 500 mg/day) Followed by: 5mg/kg/dose q24 hrs (Max 250 mg/day) <i>*Administer in addition to drugs above for typical CAP, Azithromycin often does not treat S. pneumoniae and does not treat S. aureus</i> | Levofloxacin ≥ 6 months to < 5 years: 10mg/kg/dose PO q12 hrs (Max dose 500 mg/dose) ≥ 5 years: 10mg/kg/dose PO q24 hrs (Max dose 750 mg/dose) <i>*Levofloxacin has activity against S. pneumoniae as well as atypicals so no additional agents targeting atypicals are needed when levofloxacin is otherwise indicated</i> | Mycoplasma Azithromycin: 5 days Levofloxacin: 7 days Legionella pneumophila: Azithromycin: 5-10 days Levofloxacin: 14-21 days |
| Viral Pneumonia with POSITIVE influenza test | Oseltamivir ≤ 15 kg: 30mg Twice Daily 15-23 kg: 45mg Twice Daily 23-40 kg: 60mg Twice Daily > 40 kg: 75mg Twice Daily | | |
| COVID – 19 Pneumonia | Refer to COVID-19 management guidelines | | |

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ANTIMICROBIAL TABLE AND IMMUNIZATION DEFINITIONS

Fully Immunized Pneumococcal Definition

| Age | Doses Received |
|---------------|--|
| < 4 months | 1 dose |
| < 6 months | 2 doses |
| 6 - 12 months | 3 doses |
| ≥ 12 months | 3-4 doses, one of which was given after 12 months of age |
| ≥ 24 months | 1 dose of vaccine given at or after 24 months of age |

Fully Immunized Hib Definition

| Age | Doses Received |
|---------------|--|
| < 4 months | 1 dose |
| < 6 months | 2 doses |
| 6 - 12 months | 3 doses |
| ≥ 12 months | 3-4 doses, one of which was given after 12 months of age |
| ≥ 24 months | 1 dose of vaccine given at or after 24 months of age |