

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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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