

Table 5: Antibacterial therapy (parenteral)

Pathogen	Preferred	Alternative
<i>S. pneumoniae</i> (penicillin MIC \leq 2.0 mcg/mL)	Ampicillin (150-200 mg/kg/day div q 6 hr) Penicillin (200-300,000 u/kg/day div q 4-6 hr)	Ceftriaxone (50-100 mg/kg/day q 12-24 hr) Cefotaxime (150 mg/kg/day div q 8 hr) Clindamycin (40 mg/kg/day div q 6-8 hr) Vancomycin (40-60 mg/kg/day div q 6-8 hr)
<i>S. pneumoniae</i> (penicillin MIC \leq 4.0 mcg/mL)	Ceftriaxone (100 mg/kg/day q 12-24 hr)	Ampicillin (300-400 mg/kg/day div q 6 hr) levofloxacin (16-20 mg/kg/day div q 12 hr for children 6 mon to 5 yrs and 8-10 mg/kg/day once daily for children 5 to 16 yrs) ¹ Linezolid (30 mg/kg/day div q 8 hr for children < 12 yrs and 20 mg/kg/day div q 12 hr for children >12 yrs) Clindamycin ² (40 mg/kg/day div q 6-8 hr) Vancomycin ³ (40-60 mg/kg/day div q 6-8 hr)
Group A Streptococcus	Penicillin (200-300,000 u/kg/day div q 4-6 hr) Ampicillin (200 mg/kg/day in 4 div q 6 hr)	Ceftriaxone (50-100 mg/kg/day q 12-24 hr) Cefotaxime (150 mg/kg/day div q 8 hr) Clindamycin, (40 mg/kg/day div q 6-8 hr) Vancomycin ³ (40-60 mg/kg/day div q 6-8 hr)
<i>S. aureus</i> (methicillin susceptible)	Cefazolin (150 mg/kg/day div q 8 hr) Oxacillin (150-200 mg/kg/day div q 6-8 hr)	Clindamycin ⁴ (40 mg/kg/day div q 6-8 hr) Vancomycin (40-60 mg/kg/day div q 6-8 hr)
<i>S. aureus</i> (methicillin resistant)	Vancomycin(40-60 mg/kg/day div q 6-8 hr) Clindamycin (40 mg/kg/day div q 6-8 hr) ²	Linezolid (30 mg/kg/day div q 8 hr for children < 12 yrs and 20 mg/kg/day div q 12 hours for children >12 yrs)
<i>Haemophilus influenzae</i> typeable (A-F) or non-typeable	Ampicillin IV (150-200 mg/kg/day div q 6 hr) Ceftriaxone ⁵ (50-100 mg/kg/day q 12-24 hr) Cefotaxime ⁵ (150 mg/kg/day div q 8 hr)	Ciprofloxacin (30 mg/kg/day div q12 hr) Levofloxacin (16-20 mg/kg/day div q 12 hr for children 6 mon to 5 yrs and 8-10 mg/kg/day once daily for children 5 to 16 yrs)
<i>Mycoplasma pneumoniae</i>	Azithromycin 10 mg/kg on days 1 and 2 of therapy; transition to oral therapy if possible.	Erythromycin (20 mg/kg/day div q 6 hr) Levofloxacin (16-20 mg/kg/day div q 12 hr)
<i>Chlamydia trachomatis</i> or <i>Chlamydophila pneumoniae</i>	Azithromycin 10 mg/kg on days	Erythromycin (20 mg/kg/day div q 6 hr) Levofloxacin 16-20 mg/kg/day div bid for children 6 mon to 5 yrs and 8-10 mg/kg/day once daily for children 5 to 16 yrs)

¹ Levofloxacin maximum daily dose of 750 mg.² Clindamycin resistance appears to be increasing in certain geographic areas among *S. pneumoniae* and *S. aureus*.³ For beta-lactam allergic children.⁴ For methicillin resistant *S. aureus* isolates which are D test negative.⁵ For beta-lactamase producing *Haemophilus influenzae* strains.