Release Notes:

Pneumonia Antibiotic Consensus Recommendations Table Version 2.1

Pneumonia Antibiotic Consensus Recommendations

Non-ICU Patient ICU Patient Pseudomonal Risk*		
Non-ICU Patient	ICU Patient	r seudomonai Kisk*
β-lactam (IV or IM) Table 2.3 +	β-lactam (IV) Table 2.3 +	These antibiotics would also be acceptable
macrolide (IV or oral) Table 2.5	macrolide (IV) Table 2.6	for ICU and Non-ICU patients with
		pseudomonal risk
Or	Or	
Quinolone monotherapy (IV or	β-lactam (IV) Table 2.3 + quinolone	IV antipseudomonal β-lactam Table 2.4 +
oral) Table 2.9	(IV) Table 2.14	IV antipseudomonal quinolone Table 2.8
		(PO quinolone is allowed for Non-ICU only
Or	Or)
β-lactam (IV or IM) Table 2.3 +	If documented β -lactam allergy:	Or The state of th
doxycycline (IV or oral) Table 2.10	Quinolone (IV) Table 2.14 +/-	IV antipseudomonal β-lactam Table 2.4 +
0	Clindamycin* (IV) Table 2.12	IV aminoglycoside Table 2.11 + either
Or If less than 65 with no <i>Risk Factors</i>		IV antipneumococcal quinolone Table 2.14 Or IV macrolide Table 2.6
	0.1	(PO quinolone is allowed for Non-ICU only
for Drug-Resistant Pneumococcus (see data element)	β-lactam = ceftriaxone, cefotaxime,	Table 2.9)
Macrolide monotherapy (IV or oral)	ampicillin/sulbactam, ertapenem	Or
Table 2.5	Macrolide = erythromycin,	If documented β-lactam allergy:
14010 2.3	azithromycin	IV Aztreonam Table 2.7 + IV
	azitinomyem	antipneumococcal quinolone Table 2.14 +
β -lactam = ceftriaxone, cefotaxime,	Quinolones = levofloxacin,	IV aminoglycoside Table 2.11
ampicillin/sulbactam, ertapenem	gatifloxacin, moxifloxacin	(PO quinolone is allowed for Non-ICU only
	<i>y</i>	Table 2.9)
Macrolide = erythromycin,	*Clindamycin is optional	
clarithromycin, azithromycin	, ,	Antipseudomonal quinolone =
		ciprofloxacin, levofloxacin
Quinolones = levofloxacin,		A
gatifloxacin, moxifloxacin,		Antipseudomonal β -lactam = cefepime, imipenem, meropenem,
gemifloxacin		piperacillin/tazobactam,
		Aminoglycoside = gentamicin, tobramycin,
		amikacin
		Antipneumococcal quinolone =
		levofloxacin**, gatifloxacin, moxifloxacin
		Macrolide = azithromycin, erythromycin

Data collected by the CMS National Pneumonia Project indicate that 78% of Medicare pneumonia patients who were hospitalized during 1998-99 received antibiotics that were consistent with guidelines published at that time. Among the states and territories this ranged from 55% to 87%. Compliance was lower among ICU patients, largely because atypical pathogen coverage was generally not common, but was only recommended for ICU patients. Subsequent revisions have made such coverage recommended for all inpatients.

Note: The dosage listed is specified to reflect clinical expert recommendations. We do not collect dosage information for the purposes of the Pneumonia Project.

^{**}Levofloxacin should be used in 750mg dosage when using as an antipneumococcal quinolone for ICU patients with pseudomonal risk.