

Suggested Empiric Antimicrobial Agents of Choice In Hospitalized Adults

(12th Edition)

Aspirus Wausau Hospital
2018 - 2020

Antimicrobial Stewardship
Subcommittee
&
Pharmacy and Therapeutics
Committee



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# ISOLATES	ASPIRUS REFERENCE LAB ANTI-BIOGRAM REPORTED AS % SUSCEPTIBLE JAN.2018-DEC.2018		# ISOLATES
	GRAM-POSITIVE COCCI		
66	Enterococcus faecium	52	Ampicillin
1018	Enterococcus faecalis	99	Oxacillin
2233	Staphylococcus aureus	71	Penicillin
1586	MSSA (71% of Staph aureus)	100	Ceftriaxone
647	MRSA (29% of Staph aureus)	0	Clindamycin
202	Staphylococcus coag negative	70	Erythromycin
581	Staphylococcus epidermidis	47	Levofloxacin
178	Staphylococcus lugdunensis	95	Gentamicin*
67	Staphylococcus saprophyticus	49	Nitrofurantoin
140	Streptococcus agalactiae (GrpB)	100	Rifampin*
84	Streptococcus pneumoniae	45	Tetracycline
	82 Non-meningitis	86	43
	2 Meningitis ^a	99	95
		100	
		100	

CY 2018 **Haemophilus influenzae** n=11, 34% Beta-lactamase positive
^aShould not be used alone to treat staphylococcal infections
 SYN: Synergy with Ampicillin or Vancomycin
^bStrep pneumoniae Meningitis breakpoints are lower than pneumonia/bacteremia

# ISOLATES	ANTIBIOGRAM GRAM NEGATIVE BACILLI REPORTED AS % SUSCEPTIBLE JAN.2018-DEC.2018		# ISOLATES
	GRAM-NEGATIVE BACILLI		
242	Citrobacter freundii		Ampicillin
140	Enterobacter aerogenes		Amp/Sul
324	Enterobacter cloacae complex		Pip/Tazo
8357	Escherichia coli	63	Aztreonam
281	Klebsiella oxytoca	59	Cefazolin
1113	Klebsiella pneumoniae	94	Ceftriaxone
694	Proteus mirabilis	96	Ceftazidime
654	Pseudomonas aeruginosa	97	Cefepime
126	Serratia marcescens	99	TMP/SMX
		99	Levofloxacin
		99	Gentamicin
		99	Tobramycin
		99	Nitrofurantoin
		99	Ertapenem
		99	Meropenem

Intravenous Antimicrobial Renal Dose Adjustments					
Antimicrobial	Usual Dose	CrCl 50-30mL/min	CrCl 30-10mL/min	CrCl < 10mL/min	HD*
Ampicillin	1-2g q4-6h	1-2g q6-8h		1-2g q8-12h	HD: 1-2g q8-12h
Ampicillin/Sulbactam	1.5-3g q6h	1.5-3g q6-8h	1.5-3g q12h	(<15 mL/min) 1.5-3g q24h	HD: 1.5-3g q24h (post HD)
Aztreonam	1-2g q8h	1-2g q8h	1-2g q12h	1-2g q24h	HD: 1-2g q24h (post HD)
Cefazolin	1-2g q8h		(<35 mL/min) 0.5-1g q12h	1 g q24h	HD: 1g q24h (post HD)
Cefepime	1g q6h	(60-30mL/min) 1g q8h	1g q12h	1g q24h (post HD)	
Cefepime (Neutropenic fever)	2g q8h	(60-30mL/min) 2g q12h	1g q12h	1g q24h (post HD)	
Ciprofloxacin	400mg q12h		400 mg q24h		HD: 400mg q24h (post HD)
Ciprofloxacin (Pseudomonas, critically ill)	400mg q8h		400 mg q12h	400 mg q24h	HD: 400mg q24h (post HD)
Ertapenem	1g q24h		500mg q24h		HD: 500mg q24h (post HD)
Fluconazole	100-400mg q24h	50% of dose q24h			HD: 50% of dose q24h (post HD)
Levofloxacin	500mg q24h	(50-20mL/min) 500mg x1, then 250mg q24h	(20-10mL/min) 500mg x1, then 250mg q48h	500mg x1, then 250mg q48h	
Levofloxacin (Nosocomial PNA, skin, intraabdominal, pyelo)	750mg q24h	(50-20mL/min) 750mg q48h	(20-10mL/min) 750mg x1, then 500mg q48h	750mg x1, then 500mg q48h	
Meropenem	500mg q6h	(50-26 mL/min) 500mg q8h	(25-10 mL/min) 500mg q12h	500mg q24h	HD: 500mg q24h (post HD)
Penicillin G	2-4 mU q4	1-3 mU q4h		1-2 mU q6h	HD: 1-2 mU q6h
Piperacillin/Tazobactam (Extended-infusion)	3.375g q8h	3.375g q8h	(<20mL/min) 3.375g q12h	3.375g q12h	
TMP/SMX (Dose based on TMP)	5mg/kg q12h		5mg/kg q24h (post HD)		
TMP/SMX (Dose based on TMP, PCP treatment)	5 mg/kg q6-8h		2.5 mg/kg q6-8h	2.5 mg/kg q8h	HD: 2.5 mg/kg q8h
Amikacin, Gentamicin, Tobramycin, Vancomycin	Dosing per pharmacy				

*For antimicrobials dosed every 24 hours in patients on hemodialysis, doses should be administered after dialysis on dialysis days. Alternatively, all doses may be administered once daily in the evening to ensure administration after dialysis on dialysis days.

