

GRAM POSITIVE ORGANISMS % SUSCEPTIBLE 2009 (WHITE) AND 2008 (SHADED)															DOSING IN RENAL DYSFUNCTION							
ORGANISMS	# OF ISOLATES	AMPICILLIN	AZITHROMYCIN	CEFAZOLIN	CEFOTAXIME	CEFTRIAXONE	CIPROFLOXACIN	CLINDAMYCIN	ERYTHROMYCIN	GENT-500 SYNERGY (1)	LEVOFLOXACIN	NITROFURANTOIN (2)	OXACILLIN	PENICILLIN	TETRACYCLINE	TRIMETH/SULFA	VANCOMYCIN	Drug	CrCl > 60ml/min	CrCl <60 & >20 mL/min	CrCl < 20mL/min	
Enterococcus faecalis (1)	716 147	99 99					78 71		22 16	79 82	79 73	98 98		98 99	23 20		100 100	Amikacin	15-20mg/kg/day	7.5mg/kg q12-24h	per pharmacy	
Enterococcus faecium (1)	90 19	22 33					21 33	10 16	82 85	23 29	13 33			20 33	61 57		54 43	Amp/Sulbactam (Unasyn)	1-5.3gm/q6h	1.5-3mg q8-12h	1.5-3gm q12h, <10: q24h	
Staph. aureus (4)	3395 3588			59 55			68 64	78 81	46 43	69 69	99 99	59 55	11 10	97 96	99 99	100 100	100	Aztreonam	1 - 2gm q8h	LD: 1-2gm, then 1gm q8h	LD: 1-2gm, then 1gm q12h	
Staph. capitis (4)	46 16			100 100			74 75	89 88	91 88	74 75	100 100	100 100	37 31	96 88	100 100	100	100	Cefazolin	1-2gm/q8h	1-2gm q12	1-2gm q24	
Staph. epidermidis (4)	610 135			41 46			50 60	61 68	35 43	50 60	100 100	41 46	8 12	87 89	65 70	100	100	Cefazolin + Metronidazole	1gm/q8h	See individual agents		
Staph. Hominis (4)	108 45			56 46			63 65	62 74	36 41	63 65	99 100	56 46	12 24	71 87	71 70	100	100	Cefepime	1-2gm/q8-12h	1-2 gm q12-24	1-2gm q24h, <10:1gm	
Staph. Saprophyticus (4)	258 230			50 60			98 98	81 82	50 47	98 99	100 100	50 60	0 0	88 91	97 95	100	100	Ceftazidime	See Cefepime			
Strep. Beta-hem Gp-A (3)	16 17	100 100	81 94						81 94	100 100			100 100	94 88		100	100	Ceftriaxone	1-2gm q12-24h	No Change	No Change	
Strep. Beta-hem Gp-B (3)	70 67	100 100						72 72	73 70	100 100			100 100	11 12		100	100	Ciprofloxacin IV	400mg / q12h	200-400mg q12h	200mg q12h	
Streptococcus pneumoniae (5)	161 150		79 69		100 99	100 99			80 81	100 99				82 77	90 87	81 77	100	100	Doripenem	500mg / q8h	250mg / q8 h	250mg / q12 h
																		Ertapenem (Invanz)	1-2gm/q24h	0.5-1gm/q24h	500mg/q24h	
																		Gentamicin	5-7mg/kg	Per pharmacy	Per pharmacy	
																		Levofloxacin (Pulm)	750mg/ q24h	750mg q48h	750mg, then 500mg q48h	
																		Meropenem	1gm /q8h	1gm /q12h	50% dose q12h, <10:q24h	
																		Nafcillin	1-2gm/ q4h	No change	No change	
																		Penicillin G	2-4 Munits/q4-6h	1-2 Munits q4-6h	1-2 Munits q6h	
																		Pip/Tazo (Zosyn)	3.375 /q6h, 4.5gm q8h	2.25-3.375gm q6h	2.25gm/q6h	
																		Tigecycline	100mg, day 2 and on; 50mg/q12h	No Change	No Change	
																		Tobramycin	5-7mg/kg	Per pharmacy	Per pharmacy	
																		Trimetho/Sulfa (Bactrim/Septa)	5-10mg TMP/kg q12h	2.5-5mg TMP/kg q12h	AVOID	
																		Vancomycin	1gm/q12h	Per pharmacy	Per pharmacy	

(1), Enterococci synergy with gentamicin-500 from blood cultures

(2), Reported on urine culture isolates only

(3), Isolates tested are from sterile sites and by special request

(4), Penicillin, ampicillin, amp/sulbactam and cefazolin results adjusted by oxacillin results

(5), Non-meningitis interpretation for cephalosporin class drugs

GRAM NEGATIVE ORGANISMS % SUSCEPTIBLE 2009 (WHITE) AND 2008 (SHADED)																	DOSING COST PER DAY					
ORGANISM	# of Isolates	Ampicillin	Amp/Subactam	Aztreonam	Cefazolin	Cefotetan	Cefepime	Ceftazidime	Ceftriaxone	Ciprofloxacin	Ertapenem	Gentamicin	Levofloxacin	Meropenem	Nitrofurantoin (2)	Piperacillin/Tazobactam	Ticarcillin/Clavulanate	Tobramycin	Trimethoprim/Sulfa	Drug	Dose / Interval	Drug Cost/day - Hospital (cost of IV bag + cost of drug)
Acinetobacter baumannii	34	0	90	2	0	0	84	83	0	75		96	92	100	2	91		90	82	Amikacin	15mg/kg/day	\$22
	46	0	96	9	0	0	88	69	3	97		98	98		0	98		98	95	Ampicillin	2gm/q4-6h	\$45-60
Citrobacter freundii	84	0	0	92	0	0	100	90	92	93	100	96	94	100	92	95		100	88	Amp/Subactam (Unasyn)	1-5.3gm/q6h	\$28-\$35
	97	0	0	90	0	0	100	86	88	89	100	98	94		92	97		100	86	Aztreonam	1 - 2gm/q8h	\$85-\$160
Citrobacter koseri	46	0	0	100	100	100	100	100	100	100	100	100	100	100	70	100		100	100	Cefazolin	1-2gm/q8h	\$23-\$30
	62	0	0	100	100	100	100	100	100	100	100	100	100	100	81	100		100	100	Cefazolin + Metronidazole	1gm/q8h	\$25-\$32
Enterobacter aerogenes	66	0	0	96	0	0	100	88	91	100	100	100	100	100	19	90		100	91	Cefepime	1-2gm/q8h	\$25-\$56
	89	0	0	92	0	0	100	91	92	100	100	100	100		15	96		100	100	Ceftriaxone	1gm/q24h, 2gm/q12h	\$10-\$30
Enterobacter cloacae	161	0	0	91	0	0	100	91	91	94	98	99	96	100	21	91		100	92	Ciprofloxacin IV	400mg / q12h	\$12
	171	0	0	89	0	0	100	87	88	96	98	100	98		31	90		100	96	Ciprofloxacin (oral)	500mg/ q12h	\$1.50
Escherichia coli	5449	65	71	98	93	100	99	97	98	87	100	95	87	100	96	98		97	83	Daptomycin	500mg / q24h	\$202.00
	4901	62	72	97	92	99	92	97	97	85	100	95	85		95	100		96	82	Doripenem	500mg/q8h	\$72.00
Klebsiella pneumoniae	706	0	90	97	95	98	98	96	96	91	100	98	95	100	31	96		98	91	Ertapenem (Invanz)	1gm/q24h	\$50-\$100
	723	0	89	98	96	99	99	98	98	96	100	99	97		37	98		100	97	Gentamicin	5-7mg/kg/day	\$10
Klebsiella oxytoca	139	0	89	99	78	100	99	99	99	100	100	98	100	100	64	96		98	94	Levofloxacin (IV)	750mg/ q24h	\$15
	143	0	77	99	66	100	100	100	100	94	100	100	96		82	97		100	92	Levofloxacin (oral)	750mg/ q24h	\$18
Morganella morganii	50	0	2	91	0	98	93	83	98	62	100	67	65	100	0	80		95	43	Linezolid	600mg/q12h	\$85
	76	0	4	91	0	99	99	85	97	50	100	54	71		0	93		96	41	Nafcillin	1-2gm/ q4h	\$40-\$48
Proteus mirabilis	309	74	85	100	87	100	100	100	100	83	100	93	89	100	0	99		94	80	Penicillin G	2-4 Munits/q4h	\$24-50
	314	77	88	98	88	99	98	98	98	90	99	96	95		0	99		96	84	Pip/Tazo (Zosyn)	3.375 /q6h, 4.5gm q6h	\$80-\$95
Pseudomonas aeruginosa	471			75			93	92	5	78		98	81	99		97		100		Tigecycline	100mg, then 50mg q12h	\$125, then \$60
	489			73			94	96	4	84		97	84			100		99		Tobramycin	5-7mg/kg/day	\$10
Serratia marcescens	60	0	0	100	0	0	100	100	95	84	100	100	93	100	0	95		100	97	Trimetho/Sulfa (Bactrim/Septa) (IV)	IV: DS/q6h	\$25
	77	0	0	100	0	0	100	100	100	92	100	100	96		0	100		99	96	Trimetho/Sulfa (oral)	PO: DS/ q12h	\$4
Stenotrophomonas maltophilia	54							42					78					43	95	Vancomycin	1gm/q12h	\$20
	80							61					87					60	93			