

University of Miami/Jackson Memorial Hospital (Main) Jan-June 2011

Data include 1st isolate from patient

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CLSI M100-S21, 2011 breakpoints

ANTIBIOGRAM	No.	Ampicillin	Amox/Clavanic Acid	Pip/Tazobactam	Cefazolin	Cefoxitin	Ceftriaxone	Cefepime	Ertapenem	Imipenem	Amikacin	Gentamicin	Tobramycin	Levofloxacin	Trimeth/Sulfa
		Percent susceptible													
GRAM-NEGATIVE ISOLATES	No.														
Escherichia coli	1290	33	75	89	76	89	90	99	99	99	99	82	83	64	54
Citrobacter freundii	29	/	/	89	/	/	82	99	96	93	99	89	93	79	75
Citrobacter koseri	59	/	97	95	90	95	98	97	98	92	99	99	99	98	93
Klebsiella pneumoniae	497	/	89	90	78	89	87	87	99	98	98	89	89	85	73
Enterobacter aerogenes	75	/	/	86	/	/	82	99	95	95	99	96	99	96	92
Enterobacter cloacae	178	/	/	84	/	/	82	97	94	98	99	94	94	91	79
Serratia marcescens	87	/	/	98	/	/	87	99	97	90	99	94	91	97	93
Proteus mirabilis	232	78	99	99	80	94	97	99	97	10*	99	97	98	84	79
Morganella morganii	43	/	/	81	/	/	86	99	99	12*	99	79	88	74	62
Providencia stuartii	23	/	/	93	/	77	77	99	91	14*	99	/	/	50	64
Pseudomonas aeruginosa	429	/	/	68	/	/	/	80	/	83	95	82	94	66	/
Acinetobacter baumannii	231	/	/	40	/	/	/	/	/	37	88	/	/	28	29
Stenotrophomonas maltophilia	107	/	/	/	/	/	/	/	/	/	/	/	/	82	93
		Penicillin	Oxacillin	Cefazolin	Ceftriaxone/ CTX	Clindamycin	Erythromycin	Gentamicin	Levofloxacin	Rifampin	Tetracycline	Quinup/Dallo	Linezolid	Vancocycin	Trimeth/Sulfa
GRAM-POSITIVE ISOLATES	No.														
Enterococcus faecalis	408	97	/	/	/	/	/	/	78	/	20	/	93	97	/
Enterococcus faecium	185	17	/	/	/	/	/	/	/	/	37	98	97	28	/
Staph aureus MRSA ^a	595	0	0	0	0	73	8	95	27	99	90	/	100	99	94
Staph aureus MSSA	529	0	100	100	100	98	66	99	91	99	85	99	100	100	97
Staphylococcus epidermidis ^a	356	2	25	25	/	53	23	66	/	96	81	/	100	99	46
Staphylococcus haemolyticus ^a	67	3	43	43	/	61	25	81	/	99	66	/	100	100	61
Staphylococcus hominis ^a	67	2	41	41	/	80	25	91	/	99	71	/	100	99	55
Streptococcus agalactiae	90	100	/	/	/	81	/	/	99	/	/	100	100	100	/
Streptococcus pneumoniae ^{b,c}	53	43	/	/	75	72	60	/	100	/	/	/	100	100	72

(a) S. aureus and coagulase-negative staph (CNS) resistant to oxacillin are resistant to penicillins, cephalosporins, and carbapenems overall MRSA = 53.3% of all Staphylococcus aureus isolates

(b) Streptococcus pneumoniae: 23 isolates were susceptible to penicillin (MIC <0.064 ug/ml) using CLSI oral & meningeal breakpoints; while 49 isolates (92%) were susceptible using parenteral breakpoints (MIC <=2 ug/ml) for non-meningeal infections.

(c) Streptococcus pneumoniae: 40 isolates were susceptible to cefotaxime or ceftriaxone (MIC <= 0.5 ug/ml) using CLSI meningeal breakpoints; while only 2 isolates were resistant (MIC >=4.0 ug/ml) using CLSI breakpoints for non-meningeal infections.

