

ANTIBIOTIC SUSCEPTIBILITY OF COMMON ORGANISMS ISOLATED

Percent (%) of Isolates Susceptible

January - December 2006, Grady Health System

GRAM-POS ORGANISMS	No. of isolates	Ampicillin	Cefazolin	Cefotaxime	Ceftriaxone	Gentamicin	Levofloxacin	Trimethoprim/Sulfa	Penicillin	Oxacillin	Clindamycin	Erythromycin	Tetracycline	Vancomycin	Streptomycin	Linezolid	No. of urine isolates	Nitrofurantoin/U
<i>Staph. aureus (MRSA)</i>	1905	-	0	-	-	99	70	91	0	0	89	7	-	100	-	100	83	-
<i>Staph. aureus (MSSA)</i>	971	-	97	-	-	99	93	96	18	100	91	58	-	100	-	100	124	-
<i>Staphylococcus, coag. neg.</i>	228	-	29	-	-	82	65	69	18	44	66	39	-	100	-	***	-	-
<i>Streptococcus pneumoniae</i>	138	-	-	97	97	-	100	-	62	-	-	71	83	100	-	-	-	-
Intermediate (%)	-	-	-	1	1	-	0	-	29	-	-	1	0	0	-	-	-	-
Resistant (%)	-	-	-	0	0	-	0	-	8	-	-	26	15	0	-	-	-	-
Blood	50	-	-	100	96	-	100	-	57	-	-	70	84	100	-	-	-	-
<i>Enterococcus faecalis</i>	558	100	-	-	-	81**	83	-	98	-	-	-	19	100	83**	100	380	100
Vancomycin-resistant	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	***	6	-
<i>Enterococcus faecium</i>	44	0	-	-	-	92**	27	-	43	-	-	-	59	85	73**	100	1	56
Vancomycin-resistant	112	0	-	-	-	86**	0	-	0	-	-	-	41	0	42*	98	55	28

ICU ****	<i>E. faecalis</i>			<i>E. faecium</i>			<i>S. coag-neg.</i>		<i>S. aureus</i>	
	No.	%S AMPI	%S VANC	No.	%S AMPI	%S VANC	No.	%S OX	No.	%S OX
Surgical ICU	28	-	100	10	***	30	8	***	44	59
Medical ICU	18	-	94	15	***	33	16	31	69	54
Coronary ICU	19	-	95	16	***	6	12	25	56	52
Burn Unit	9	-	***	5	***	***	3	***	16	50
Neurosurg ICU	7	-	***	4	-	-	10	***	32	50
Subtotal ICU	74	-	-	46	-	-	39	-	185	-
All sites	568	-	98	156	-	28	228	44	2876	34

* = Not test on all isolates

** = high level gentamicin or streptomycin

*** = data not shown

**** = for monitoring resistance pattern

Not to be used for promotional purposes

MSSA = Methicillin susceptible *S. aureus*

MRSA = methicillin resistant *S. aureus*

No. = Number of isolates

%S = Percent susceptible; OX = oxacillin

AMPI = ampicillin

VANC = vancomycin

Grady Health Syst

**Antibiotic
Susceptibility
Patterns of
Common Isolates
Jan. - Dec. 2006**

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Percent (%) of Isolates Susceptible

January - December 2006, Grady Health System

GRAM-NEG ORGANISMS	No. of total isolates	Ampicillin	Cefazolin	Ceftazidime	Ceftriaxone	Piperacillin	Piperacillin/Tazobactam	Ticarcillin/Clavulanate	Imipenem	Gentamicin	Tobramycin	Amikacin	Levofloxacin	Trimethoprim/Sulfa	Amp/Sulbac	Doxycycline	No. of urine isolates	Trimethoprim/Sulfa/U	Levofloxacin/U	Nitrofurantoin/U
<i>Escherichia coli</i>	2619	51	89	98	98	-	98	84	100	85	92	99	87	77	-	-	2303	77	88	98
<i>Klebsiella pneumoniae</i>	578	0	87	90	90	-	89	87	100	93	89	93	91	87	78	-	372	90	94	57
<i>Proteus mirabilis</i>	516	94	97	99	100	-	99	100	100	98	98	99	96	93	97	-	386	92	96	0
<i>Pseudomonas aeruginosa</i>	375	-	-	78	-	-	87	67	86	84	91	94	76	-	-	-	127	-	68	-
<i>Acinetobacter baumannii</i>	299	-	-	33	-	-	37	53	62	40	79	83	33	20	42	24	73	-	33	-
<i>Enterobacter cloacae</i>	207	0	1	72	74	-	69	75	100	87	86	97	88	82	10	-	68	81	84	72
<i>Enterobacter aerogenes</i>	128	0	11	90	89	-	85	87	100	97	96	98	98	97	14	-	60	100	100	44
<i>Citrobacter koserii</i>	110	0	93	98	98	-	93	95	100	98	96	100	100	96	89	-	77	94	98	96
<i>Shigella sonnei</i>	101	9	-	-	100	-	-	-	-	-	-	-	100	78	-	-	-	-	-	-
<i>Serratia marcescens</i>	78	2	0	98	97	-	100	96	100	100	65	100	94	94	-	-	16	87	81	12
<i>Morganella morganii</i>	53	0	1	81	100	-	98	86	100	84	94	96	86	77	-	-	20	75	85	0
<i>Citrobacter freundii</i>	47	6	11	81	87	-	87	77	100	85	85	93	87	79	-	-	35	82	91	97
<i>Providencia stuartii</i>	32	6	15	90	93	-	83	96	100	87	54	100	51	83	-	-	19	73	50	0
<i>Klebsiella oxytoca</i>	25	0	52	69	80	-	76	68	100	88	92	100	88	84	-	-	15	93	93	100
<i>Sten. Maltophilia</i>	42	The drug of choice for <i>Stenotrophomonas maltophilia</i> is Trimethoprim/Sulfamethoxazole																		
ICU*	<i>Enterobacter cloacae</i>					<i>Klebsiella pneumoniae</i>				<i>Acinetobacter baumannii</i>				<i>Pseudomonas aeruginosa</i>						
	No.	% susceptible				No.	% susceptible			No.	% susceptible			No.	% susceptible					
		GENT	CATC	TAZO	LEVO		GENT	CF	CTRX		LEVO	TAZO	CATC		AMIK	IMIP	IMIP	TAZO	LEVO	TOBR
Surgical ICU	26	85	66	70	96	15	100	100	100	100	56	28	38	74	43	31	87	90	93	100
Medical ICU	20	85	65	55	90	34	88	88	91	91	34	29	38	77	46	22	90	91	86	95
Coronary ICU	10	90	63	63	100	37	86	75	81	86	23	22	43	86	57	43	81	88	62	88
Burn Unit	14	21	35	14	40	17	38	29	27	23	27	3	14	64	13	14	46	50	42	57
Neurosurg ICU	11	100	72	72	100	17	88	82	94	88	15	40	66	93	68	11	72	72	72	72
Subtotal ICU	81	-	-	-	-	120	-	-	-	-	155	-	-	-	-	121	-	-	-	-
All sites	207	87	75	69	88	578	93	87	90	91	299	37	53	83	62	375	86	87	76	91

Note:

This card is intended to serve as a partial guide in choosing the appropriate antibiotic prior to receiving definitive susceptibility results from the microbiology lab. Antibiotic susceptibility is based on CLSI recommendation.

consideration, please check the Pharmacy antibiotic card.

U = urine

* = for monitoring resistance

pattern only, not to be used

for promotional purposes

No. = Number of isolates

** = data not shown

GENT = gentamicin

CATC = ticarcillin/clavulanate

TAZO = piperacillin/tazobactam

LEVO = levofloxacin

CF = cefazolin

CTRX = ceftriaxone

AMIK = amikacin

IMIP = imipenem

TOBR = tobramycin

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