

Inpatient Antibigram 2021- Urine Source only

Gram Negative-Urine Only	Aminoglycosides			Beta lactam/Beta lactam inhibitors			Carbapenems			Cephalosporin Class			Fluoroquinolones		Folate pathway inhibitor	Fosfomycin	Monobactams	Nitrofurans			
	Amikacin	Gentamicin	Tobramycin	Amoxicillin/Clavulanate	Ampicillin	Ampicillin/Sulbactam	Piperacillin/Tazobactam	Ertapenem	Imipenem	Meropenem	Cefazolin	Cefazolin Urine	Cefepime	Ceftazidime	Ceftriaxone	Ciprofloxacin	Levofloxacin	Trimethoprim/Sulfamethoxazole	Fosfomycin	Aztreonam	Nitrofurantoin
Organisms																					
Citrobacter freundii complex (36)	100	88	91	0	0	0	83	100	75	100	0			83	80	91	91	86			91
Enterobacter cloacae complex (42)	100	97	95	0	0	0	88	92		100	0			80	78	92	92	92			30
Escherichia coli (1305)	100	94	93	88	64	68	98	100	100	100				98	98	80	84	83		100	98
Escherichia coli, ESBL (101)		60	55	50	0	0	0	98	100	100	0			0	0	17	22	57		97	93
Klebsiella pneumoniae (176)		99	99	97	0	88	98	100	100	100				96	98	98	95	96			55
Proteus mirabilis (118)	100	88	89	94	83	88	100	98						86		97	95	76	76	83	0
Pseudomonas aeruginosa (99)	100	94	100				96		80	93				95	95		87	87		89	
Citrobacter koseri (34)		97	97	100	0	88	100	100	100	100	82			100	100	97	97	91			55
Klebsiella aerogenes (27)		100	100	0	0	0	80	100	100	100	0			85	85	100	100	100		100	38
Klebsiella oxytoca/Raoultella ornithinolytica (55)		96	94	80	0	36	88	100	100	100	21			96	87	90	96	90			94
Klebsiella pneumoniae ESBL (11)		36	18					90	80	100						9	18	9			54
Klebsiella varicola (17)		100	100	100	0	94	94	100	100	100	94			100	100	100	100	100			94
Morganella morganii (20)		100	95	0	0	35	100	100		100	0			95	100	78	84	80			0

Cefazolin predicts results for the oral agents-Cefaclor, cefdinir, cefpodoxime, ceftazidime, ceftiofur, cefuroxime axetil and loracarbef when used for therapy of uncomplicated UTI's due to E. coli, K. pneumoniae, and P. mirabilis. A valid statistical analysis should include 30 or more isolates, organisms with less than 30 isolates are listed for informational purpose only.

COMMENTS:

1. Data are obtained from MIC and disk diffusion testing methods.
2. Isolate counts are in parenthesis to the right of the organism name.
3. MRSA (methicillin resistant Staph aureus): In 2021, 168 of 553 (30.3%) Staph aureus were MRSA. Prior years were as follows: 2020-30.0%, 2019-36.7%, 2018 - 39.4%, 2017 - 37.8%, 2016 - 41.3%, 2015 - 35.6%, 2014 -52.5%.
4. ESBL (extended spectrum beta lactamases): In 2021, 226 of 2,889 (7.8%) Ecoli isolates (combined inpatient and outpatient) produced ESBL. Prior years were as follows: 2020-7.3%, 2019-8.27%, 2018 - 8.3%, 2017 - 7.5%, 2016 - 8.1%, 2015 - 8.3%, 2014 - 6.8%, 2013 - 5%.
5. Penicillin Resistant Streptococcus pneumoniae: In 2021, no Penicillin Resistant Streptococcus pneumoniae. Prior year were as follows: 2020, no Penicillin Resistant Streptococcus pneumoniae, 2019, 1 of 34 (2.94%) Streptococcus pneumoniae isolates (combined inpatient and outpatient) were Penicillin resistant.

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Gram positive-Urine only			Aminoglycosides	Ansamysins	Beta lactam/Beta lactam inhibitors	Cephalosprin Class	Fluoroquinolones	Folate pathway inhibitor	Glycopeptides	Lipopeptides	Nitrofurans	Oxazolidinones	
	Tetracycline	Doxycycline	Gentamicin	Rifampin	Ampicillin	Oxacillin	Cefazolin	Levofloxacin	Trimethoprim/Sulfamethoxazole	Vancomycin	Daptomycin	Nitrofurantoin	Linezolid
Organisms													
Enterococcus faecalis (230)	20				100			90		100		99	99
Enterococcus faecium (18)	61				38			38		88		100	94
Staphylococcus epidermidis (30)	85	66	100	100		23	23	36		100	100	96	96
Staphylococcus aureus (30)	100	100	96	100		100	100	76	100	100	100	100	100
Methicillin resistant Staphylococcus aureus (24)	58	100	75	100		0	0	8	83	100	100	95	100

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Inpatient Antibigram 2021- Non Urine Source only

Gram Negative -Non-Urine Only

Organisms	Aminoglycosides			Beta lactam/ beta lactam inhibitors			Carbapenems			Cephalosporin Class			Fluoroquinolones		Folate pathway inhibitor	Monobactams	
	Amikacin	Gentamicin	Tobramycin	Amoxicillin/Clavulanate	Ampicillin	Ampicillin/Sulbactam	Piperacillin/Tazobactam	Ertapenem	Imipenem	Meropenem	Cefazolin	Cefepime	Ceftazidime	Ceftioxone	Ciprofloxacin	Levofloxacin	Trimethoprim/Sulfamethoxazole
Citrobacter freundii complex (53)	100	90	92	0	0	0	86	100	80	100	0	83	79	90	90	86	
Enterobacter cloacae complex (98)	100	97	96	0	0	0	89	91	100	0	100	85	84	92	94	91	
Escherichia coli (1447)	100	93	93	88	62	67	98	100	100	100	84	100	98	98	80	84	100
Escherichia coli, ESBL (111)								97	100	100							
Klebsiella oxytoca (1)	100	100	100	0	0	100	100	100		100		100	100	100	100	100	
Klebsiella pneumoniae (224)	99	99	97	0	0	89	97	100	100	100		98	98	95	95	96	
Proteus mirabilis (163)	100	90	90	95	87	91	100	98		100		98	96	79	79	85	
Pseudomonas aeruginosa (190)	100	95	99				97		87	95		96		86	86		91
Citrobacter koseri (45)	97	97	100	0	0	91	100	100	100	100	84	100	100	97	97	93	
Klebsiella aerogenes (46)	100	100	100	0	0	0	84	100	100	100	0	84	84	97	97	100	100
Klebsiella oxytoca/Raoultella ornithinolytica (96)	100	96	95	83	0	40	89	100	100	100	28	96	87	92	96	91	
Klebsiella pneumoniae ESBL (16)								93	80	100							
Klebsiella varicola (21)	100	100	100	0	0	95	95	100	100	100	95	100	100	100	100	95	
Morganella morganii (35)	94	94	0	0	42	100	100		100	0		94	97	81	84	82	

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Inpatient Antibiogram 2021-Non Urine Source only

Gram positive- Non Urine Only

Organisms	Aminoglycosides		Amsamylins		Beta lactam/Beta lactam inhibitors			Cephalosporin Class			Fluoroquinolones	Folate pathway inhibitor	Glycopeptides	Lincomamides	Uropoptides	Macrolides	oxazolidinones	
	Penicillin	Tetracycline	Gentamicin	Gentamicin Synergy Screen	Rifampin	Ampicillin	Oxacillin	Penicillin (meningitis)	Penicillin (oral)	Cefazolin	Ceftriaxone	Ceftriaxone (meningitis)	Levofloxacin	Trimethoprim/Sulfamethoxazole	Vancomycin	Clindamycin	Daptomycin	Ethronomycin
Enterococcus faecalis (81)			85		98									100		100		98
Enterococcus faecium (12)			91		83									100		100		91
Staphylococcus epidermidis (80)	77	98			96	0	43		44			68	0	97	47	100	28	97
Staphylococcus aureus (299)	95	97			99	100			100			88	96	100	86	100	70	100
Methicillin Resistant Staphylococcus aureus (127)		87	92		98		0		0	97		20	90	99	70	100	15	100
Streptococcus pneumoniae (7)	100						71	71			100	100	100	100	100		71	

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