

Inpatient Antibigram 2022- Urine Source only

Gram Negative-Urine Only	Aminoglycosides			Beta lactam/Beta lactam inhibitors				Carbapenems		Cephalosprin Class					Fluoroquinolones		Folate pathway inhibitor	Fosfomycin	Monobactams	Nitrofurans
	Amikacin	Gentamicin	Tobramycin	Amoxicillin/Clavulanate	Ampicillin	Ampicillin/Sulbactam	Piperacillin/Tazobactam	Ertapenem	Meropenem	Cefazolin	Cefazolin Urine	Cefepime	Ceftazidime	Ceftriaxone	Ciprofloxacin	Levofloxacin	Trimethoprim/Sulfa <small>(Trimethoprim/Sulfamethoxazole)</small>	Fosfomycin	Aztreonam	Nitrofurantoin
Organisms																				
Citrobacter freundii complex (22)		90	90	0	0	0	81	100	100	0			77	72	81	81	90			77
Enterobacter cloacae complex (46)		93	89	0	0	0	76	88	100	0			69	66	86	89	82			30
Escherichia coli (1263)		94	94	88	62	66	98	99	100		95		99	99	77	84	81	100		98
Escherichia coli, ESBL (117)		65	57					97	99						12	24	50	99		94
Klebsiella oxytoca (2)		100	100	100	0	0	100	100	100	0			100	100	100	100	100			100
Klebsiella pneumoniae (169)		99	98	96	0	88	95	99	100		98		99	100	92	94	94			44
Proteus mirabilis (134)		95	92	94	80	91	99	99			90		97	97	81	83	88			0
Pseudomonas aeruginosa (89)	98	96	97				91		92		91	93		76	77			85		
Citrobacter koseri (35)		100	100	100	0	91	97	100	100	88			100	100	97	97	100			51
Klebsiella aerogenes (36)		97	94	0	0	0	77	97	100	0			80	80	94	94	94			38
Klebsiella oxytoca/Raoultella ornithinolytica (57)		94	94	92	0	47	94	100	100	26			96	91	89	96	87			89
Klebsiella pneumoniae ESBL (8)		75	50					100	100						12	37	0			50
Klebsiella variicola (10)		100	100	100	0	90	90	100	100	90			100	100	100	100	100			70
Morganella morganii (16)		100	100	0	0	43	100	100	100	0			87	100	81	81	81			0

Cefazolin predicts results for the oral agents-Cefaclor, cefdinir, cefpodoxime, cefprozil, 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:

- Data are obtained from MIC and disk diffusion testing methods.
- Isolate counts are in parenthesis to the right of the organism name.
- MRSA (Methicillin Resistant Staph aureus): In 2022, 144 out of 516 (30.0%) Staph aureus were MRSA. Prior years were as follows: 2021-30.3%, 2020-30.0%, 2019-36.7%, 2018 - 39.4%, 2017 - 37.8%, 2016 - 41.3%, 2015 - 35.6%, 2014 -52.5%.
- ESBL (Extended Spectrum Beta Lactamases): In 2022, 263 out of 3,088 (8.5%) were ESBL (combined inpatient and outpatient). Prior years were as follows: 2021-7.8%, 2020-7.3%, 2019-8.27%, 2018 - 8.3%, 2017 - 7.5%, 2016 - 8.1%, 2015 - 8.3%, 2014 - 6.8%, 2013 - 5%.
- Penicillin Resistant Streptococcus pneumoniae: In 2022 no Penicillin Resistant Streptococcus pneumoniae. Prior year were as follows: 2021 and 2020-No Penicillin Resistant Streptococcus pneumoniae, 2019- 1 out of 34 (2.94%) Streptococcus pneumoniae isolates (combined inpatient and outpatient) were Penicillin resistant.

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Gram positive-Urine only													
	Tetracycline	Doxycycline	Gentamicin	Rifampin	Ampicillin	Oxacillin	Cefazolin	Levofloxacin	Trimethoprim/Sulfa (Trimethoprim/Sulfamethoxazole)	Vancomycin	Daptomycin	Nitrofurantoin	Linezolid
Organisms			Aminoglycosides	Ansamysins	Beta lactam/Beta lactam inhibitors		Cephalosprin Class	Fluoroquinolones	Folate pathway inhibitor	Glycopeptides	Lipopeptides	Nitrofurans	oxazolidinones
Enterococcus faecalis (198)	23				99			92		100		99	99
Enterococcus faecium (8)	50				50			62		87	100		87
Staphylococcus epidermidis (27)	84	85	100	100		38	42	65		100	100	100	96
Staphylococcus aureus (37)	97	97	100	100		100	100	83	100	100	100	100	100
Methicillin resistant Staphylococcus aureus (15)	66	86	100	93		0	0	13	93	100	100	100	100

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Inpatient Antibiogram 2022- Non Urine Source only

Gram Negative -Non-Urine Only	Aminoglycosides			Beta lactam/Beta lactam inhibitors			Carbapenems			Cephalosprin Class				Fluoroquinolones		Folate pathway inhibitor	Monobactams	
	Amikacin	Gentamicin	Tobramycin	Amoxicillin/Clavulanate	Ampicillin	Ampicillin/Sulbactam	Piperacillin/Tazobactam	Ertapenem	Imipenem	Meropenem	Cefazolin	Cefepime	Ceftazidime	Ceftriaxone	Ciprofloxacin	Levofloxacin	Trimethoprim/Sulfa (Trimethoprim/Sulfamethoxazole)	Aztreonam
Organisms																		
Citrobacter freundii complex (35)		94	94	0	0	2	88	100		100	0		82	80	82	82	94	
Enterobacter cloacae complex (77)		96	93	0	0	0	80	91		100	0		76	75	90	93	88	
Escherichia coli (1376)		94	94	88	62	66	98	99	100	100	82		98	99	77	84	81	100
Escherichia coli, ESBL (128)								97		99								
Klebsiella oxytoca (3)		100	100	100	0	33	100	100		100	0		100	100	100	100	100	
Klebsiella pneumoniae (229)		99	97	95	0	85	96	99		100	88		99	100	91	94	93	100
Proteus mirabilis (163)		95	91	93	80	90	98	99			0		98	98	82	84	88	
Pseudomonas aeruginosa (170)	98	97	98				91		80	92		91	94		78	79		85
Citrobacter koseri (37)		100	100	100	0	89	97	100		100	86		100	100	97	97	100	
Klebsiella aerogenes (50)		98	96	0	2	2	74	97		100	2		76	76	98	98	96	
Klebsiella oxytoca/Raoultella ornithinolytica (85)		96	95	91	0	50	96	100		100	23		97	94	92	97	91	
Klebsiella pneumoniae ESBL (12)								100		100								
Klebsiella variicola (17)		100	100	100	0	94	94	100		100	94		100	100	94	94	94	
Morganella morganii (25)		100	100	0	0	44	100	95		100	0		92	100	84	84	80	

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	Tetracycline	Doxycycline		Gentamicin	Gentamicin Synergy Screen	Rifampin	Ampicillin							Oxacillin
Enterococcus faecalis (80)			0	85		100					100		94	100
Staphylococcus epidermidis (57)	74	80	100		96		40	42		67	98	66	100	94
Staphylococcus aureus (281)	95	98	100		99		100	100		86	97	100	78	100
Methicillin Resistant Staphylococcus aureus	76	95	100		99		0	0	98	35	93	100	65	100

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