

**January 1 - December 31, 2024 Antibigrams - Outpatient Urine
Percent Susceptible (%S¹)**

Gram Negative Isolates		B-lactams														Aminoglycosides			FQ		Other		
Organism	Number of Isolates	Penicillins			Cephalosporins							Carbapenems		Monobactam	Amikacin	Gentamicin	Tobramycin	Ciprofloxacin	Levofloxacin	Tetracycline	Tigecycline	Trimethoprim - sulfamethoxazole	Nitrofurantoin ²
		Ampicillin	Ampicillin/Sulbactam	Piperacillin/tazobactam	Cefazolin	Cefepime	Cefotaxime	Cefoxitin	Ceftriaxone	Ceftazidime	Ertapenem	Meropenem	Aztreonam										
<i>Citrobacter freundii</i>	85	R	R	96	R	98	76	R	74	75	99	100	75	100	95	96	82	89	82	100	87	93	
<i>Citrobacter koseri</i>	48	R	100	100	96	100	100	98	100	100	100	100	98	100	100	98	92	94	94	100	96	79	
<i>Enterobacter cloacae</i>	100	R	R	88	R	90	76	R	67	73	91	100	76	100	97	97	93	97	86	99	82	35	
<i>Escherichia coli</i>	3014	60	67	99	78	99	99	98	99	99	99	99	99	99	94	96	82	85	81	100	79	98	
<i>Escherichia coli, ESBL</i>	296	R	23	98	R	R	R	85	R	20	99	99	R	99	56	55	30	50	33	99	35	92	
<i>Klebsiella aerogenes</i>	73	R	R	95	R	96	82	R	77	81	100	100	82	100	99	99	96	97	96	100	97	30	
<i>Klebsiella oxytoca</i>	88	R	70	95	28	92	95	98	94	98	100	100	91	99	97	94	92	94	90	99	92	93	
<i>Klebsiella pneumoniae</i>	599	R	86	98	91	99	99	95	99	99	99	99	99	100	99	99	92	97	85	99	92	52	
<i>Klebsiella pneumoniae, ESBL</i>	32	R	R	62	R	R	R	69	R	R	88	97	R	100	52	31	9	56	25	88	19	34	
<i>Morganella morganii</i>	79	R	14	100	R	99	86	84	85	76	100	100	81	100	91	96	75	80	47	R	84	R	
<i>Proteus mirabilis</i>	311	89	95	100	73	99	100	98	98	99	100	99	97	99	98	98	81	83	R		86	R	
<i>Proteus mirabilis, ESBL</i>	+																						
<i>Pseudomonas aeruginosa</i>	167			93		91				93		92	87	99		97	83	81					
<i>Serratia marcescens</i>	36	R	R	75	R	92	67	R	64	64	97	100	69	97	97	78	83	92	8	100	100	R	

Gram Positive Isolates		B-lactams						FQ				Other				
Organism	Number of Isolates	Penicillins			Cephalosporins			Ciprofloxacin	Levofloxacin	Tetracycline	Tigecycline	Daptomycin	Linezolid	Trimethoprim - Sulfamethoxazole	Vancomycin	Nitrofurantoin ²
		Ampicillin	Amox/ K Clav	Penicillin	Cefazolin	Cefepime	Cefotaxime									
<i>Enterococcus spp.</i>	80	100		100				78	90	34		100	100		100	99
<i>Enterococcus faecalis</i>	273	100		100				86	91	21	100	100	99		100	99
<i>Enterococcus faecalis</i> - Vancomycin Resistant (VRE)	+															
<i>Staphylococcus aureus</i> - Methicillin Sensitive (MSSA)	44	R		26	98		100	84	86	95	100	100	100	100	100	
<i>Staphylococcus aureus</i> - Methicillin Resistant (MRSA)	37	R		R	R		R	35	35	78	97	100	100	97	100	
<i>Staphylococcus epidermidis</i>	125	R		7	36		36	70	70	78	100	100	100	62	100	
<i>Streptococcus agalactiae</i>	173			99					100	14		100	100			

¹The NS for each organism/antimicrobial agent combination was calculated by including only the first isolate of that organism recovered from a given patient during the time frame analyzed.

² For use in Urinary Tract Infections Only. Number of urinary isolates.

³ Penicillin, Cefotaxime, Ceftriaxone and Meropenem - Breakpoints utilized are for CNS infections only and are lower than non-CNS infection breakpoints. Resistance may be higher than expected due to this.

Symbols:

-, drug not tested or drug not indicated.

+, indicates < 30 isolates for the year and data not listed.

R = Intrinsic resistance

FQ = Fluoroquinolones

ESBL = Extended spectrum beta-lactamase

MSSA = Methicillin Susceptible *Staphylococcus aureus*

MRSA = Methicillin Resistant *Staphylococcus aureus*