

January 1 - December 31, 2023 Antibigrams - Outpatient Urine
Percent Susceptible (%S)¹

Gram Negative Isolates		B-lactams														Aminoglycosides			FQ		Other		
Organism	Number of Isolates	Penicillins			Cephalosporins							Carbapenems		Aztreonam	Amikacin	Gentamicin	Tobramycin	Ciprofloxacin	Levofloxacin	Tetracycline	Tigecycline	Trimethoprim-Sulfamethoxazole	Nitrofurantoin ²
		Ampicillin	Ampicillin/Subactam	Piperacillin/taobactam	Cefazolin	Cefepime	Cefotaxime	Cefoxitin	Ceftazidime	Ceftazidime	Ertapenem	Meropenem											
<i>Citrobacter freundii</i>	71	R	63	93	R	97	89	R	85	87	97	100	87	99	96	94	87	90	87	100	83	96	
<i>Citrobacter koseri</i>	+																						
<i>Enterobacter cloacae</i>	80	R	R	80	R	85	72	R	60	75	79	100	71	100	99	99	96	99	89	96	92	24	
<i>Escherichia coli</i>	2960	57	63	99	83	99	99	97	99	99	100	100	99	99	93	94	82	86	80	99	76	98	
<i>Escherichia coli</i> , ESBL	225	0	24	97	0	0	0	91	0	0	99	100	0	99	54	52	35	52	31	100	37	93	
<i>Klebsiella aerogenes</i>	63	R	51	90	R	97	83	R	68	76	98	100	90	100	100	100	98	100	94	98	98	13	
<i>Klebsiella oxytoca</i>	83	R	78	99	30	97	97	96	96	99	99	100	95	100	96	95	95	97	92	100	90	92	
<i>Klebsiella pneumoniae</i>	574	R	86	98	93	100	100	96	100	99	99	100	99	100	99	99	95	97	85	98	93	43	
<i>Klebsiella pneumoniae</i> , ESBL	30	R	7	87	R	0	0	93	0	0	97	97	0	100	53	40	30	70	37	97	13	20	
<i>Morganella morganii</i>	69	R	6	98	R	98	92	94	88	88	100	100	88	100	90	98	82	82	47	R	80	R	
<i>Proteus mirabilis</i>	296	90	95	100	84	100	99	97	99	99	100	100	99	99	96	96	82	83	R	R	83	R	
<i>Proteus mirabilis</i> , ESBL	+																						
<i>Pseudomonas aeruginosa</i>	159	R	R	97		89	R		R	96	R	89	85	96		94	86	84	R	R	R		
<i>Serratia marcescens</i>		R	R		R			R														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>	84	98		98			79	92	27	100	100			98		
<i>Enterococcus faecalis</i>	294	100		100			84	90	23	100	100			99		
<i>Enterococcus faecalis</i> - Vancomycin Resistant (VRE)	+															
<i>Staphylococcus aureus</i> - Methicillin Sensitive (MSSA)	57	0		22	100		98	86	88	100	100	100	100	98		
<i>Staphylococcus aureus</i> - Methicillin Resistant (MRSA)	37	0		0	0		0	27	38	78	100	100	97	95		
<i>Staphylococcus epidermidis</i>	110	0		9	39		39	63	64	83	100	100	58	100		
<i>Streptococcus agalactiae</i>	206			99				99	13	100	100					
<i>Streptococcus anginosus</i>	129	100		100		98	100	100		100	100		100			

¹ The %S 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*