

Regional Antibigram - 2022 Patients ≥18 years of age Alton Memorial Hospital, Barnes-Jewish Hospital, Christian Hospital, Memorial Hospital, Parkland Health Center, St. Louis Children's Hospital	Percent of Strains Susceptible to Antimicrobial Indicated																				
	# Strains Tested	Ampicillin	Ampicillin-Sulbactam	Aztreonam	Cefazolin	Cefepime	Cefiderocol	Ceftolozane-Tazobactam	Ceftriaxone	Ceftazidime	Ciprofloxacin	Fosfomycin [^]	Gentamicin	Imipenem	Levofloxacin	Meropenem	Minocycline	Nitrofurantoin [†]	Piperacillin-Tazobactam	Tobramycin	Trimethoprim-Sulfamethoxazole
Gram Negative Bacilli																					
<i>Achromobacter</i> spp.	72				12				86	22		7			78			97		91	
<i>Acinetobacter</i> spp. (excluding <i>A. calcoaceticus-baumannii</i> complex)	89		99		99			44	94	97		100			98			94		96	
<i>Acinetobacter calcoaceticus-baumannii</i> complex	120		82		39			3	52	33		78			35			32		63	
<i>Aeromonas</i> species	30				100			100	100	93		100			97			100		93	
<i>Alcaligenes faecalis</i>	35				57				100	60		100			100					71	
<i>Citrobacter freundii</i> complex	255	•	•	•	•	98		•	•	86		97			99		96	•		83	
<i>Citrobacter koseri</i>	286	0	87		95	98		97	98	96		99			98		95	96		95	
<i>Enterobacter (Klebsiella) aerogenes</i>	320	•	•	•	•	98		•	•	96		98			99		48	•		97	
<i>Enterobacter cloacae</i> complex	756	•	•	•	•	98		•	•	92		98			99		61	•		87	
<i>Escherichia coli</i>	9302	50	58		87	97		91	94	75		92			100			99		76	
<i>Escherichia coli</i> - URINE ONLY	8291	51			90	97		92	95	76	98	92			100		98	99		76	
<i>Klebsiella oxytoca</i>	443	0	61		56	97		90	94	88		93			100		98	93		89	
<i>Klebsiella pneumoniae</i>	2303	0	60		88	94		90	92	84		96			99		67	95		84	
<i>Klebsiella variicola</i>	206	0	88		98	100		99	99	96		100			100		91	100		98	
<i>Morganella morganii</i>	206	0	34		0	99		94	86	70		90	£		99		‡	98		78	
<i>Proteus mirabilis</i>	1484	82	91		72	98		96	98	73		95	£		100		‡	100		77	
<i>Proteus vulgaris/hauseri</i>	116	0	71		0	99		92	99	97		97	£		99		‡	99		92	
<i>Providencia rettgeri</i>	74	0	52		0	100		99	99	86		96	£		99		‡	100		84	
<i>Providencia stuartii</i>	91	0	35		0	98		93	84	47		90	£		99		‡	98		81	
<i>Pseudomonas aeruginosa</i>	1965			79		95	99	99		93	85		97	87		90		92	98		
<i>Pseudomonas aeruginosa</i> (mucooid morphotype)	207			80		88	99	97		93	57		81	86		87		93	91		
<i>Pseudomonas</i> spp., not <i>P. aeruginosa</i>	66					92				95	92		98			68				36	
<i>Serratia marcescens</i>	277	•	•		•	99				92		99			100					95	
<i>Stenotrophomonas maltophilia</i>	220													91		100				99	

[†] Only indicated for uncomplicated cystitis.

• Because of the presence of inducible beta-lactamase, these organisms should be considered resistant to the antimicrobial indicated.

‡ Intrinsically resistant to nitrofurantoin, tetracyclines, and colistin.

[^] Fosfomycin is routinely tested on multi-drug resistant *Escherichia coli* from urine. Fosfomycin is only indicated for urinary tract infection.

£ Low-level resistance to imipenem is common in Proteaeae; imipenem cannot be inferred from meropenem.

Shaded boxes indicate organism/antimicrobial combinations not tested routinely or insufficient data available for robust statistical analysis.

Regional antibiogram includes first isolate per patient for inpatients, outpatients, and Emergency Department.

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	# Strains Tested	Ampicillin	Azithromycin	Cefazolin	Ceftaroline	Ceftriaxone	Ceftriaxone (non-meningitis)	Ceftriaxone (meningitis)	Ciprofloxacin	Clindamycin	Daptomycin [‡]	Doxycycline	Erythromycin	Gatifloxacin ^{††}	Gentamicin (High-level)	Levofloxacin	Linezolid	Nitrofurantoin [†]	Oxacillin	Penicillin	Penicillin (non-meningitis)	Penicillin (meningitis)	Trimethoprim-Sulfamethoxazole	Vancomycin
Gram Positive																								
<i>Staphylococcus aureus</i>	4276			61	100	61			70	95	96	42				100		60					98	98
MRSA*	1685			0	100	0			64	94	93	14				100		0					97	98
MSSA**	2591			100	100	100			74	95	97	60				100		99					99	98
VISA***	68			62	100	62			68	43	100	38				100		60					100	0
<i>Staphylococcus capitis</i>	114			77		77			77	67	94	61				100		77					93	99
<i>Staphylococcus epidermidis</i>	837			30		30			54	96	89	33				100		30					46	100
<i>Staphylococcus haemolyticus</i>	48			42		42			47	98	94	13				100		42					56	100
<i>Staphylococcus hominis</i>	187			45		45			71	100	83	32				100		45					61	100
<i>Staphylococcus intermedius</i> group	76			83		83			77	100	78	76				100		83					71	100
<i>Staphylococcus lugdunensis</i>	400			82		82			82	99	98	71				100		62					99	100
<i>Staphylococcus pettenkoferi</i>	44			58		58			74	52	100	58				100		58					93	100
Other <i>Staphylococcus</i> species	97			79		79			82	81	99	57				100		79					93	100
<i>Enterococcus faecalis</i>	1729	100								99	35			89		100	99							96
<i>Enterococcus faecium</i>	467	15								94	49			97		100	15							41
<i>Streptococcus agalactiae</i> (Group B) ^β	150					100			40						98	100				100				100
<i>Streptococcus anginosus</i>	179					100			80			66			100					99				100
<i>Streptococcus bovis</i> group	30					100									73					97				100
<i>Streptococcus constellatus</i>	77					100			77			78			97					97				100
<i>Streptococcus dysgalactiae</i> ^β	55					100			62						98	100				100				100
<i>Streptococcus intermedius</i>	65					100			80			66			100					100				100
<i>Streptococcus mitis</i> group	135					99			85			40			84					64				100
<i>Streptococcus pneumoniae</i>	137		67				100	89	89		85		100								99	65	72	100
<i>Streptococcus pyogenes</i> (Group A) ^β	66					100			64						98	100				100				100
<i>Streptococcus salivarius</i> group	30					100									97					60				100
<i>Corynebacterium striatum</i>	183							4			13					100				1				100
<i>Corynebacterium</i> spp., not <i>C. striatum</i>	138							55			80					100				38				100

[†] Only indicated for uncomplicated cystitis.

* Methicillin-Resistant *Staphylococcus aureus*.

** Methicillin-Susceptible *Staphylococcus aureus*.

*** Vancomycin-Intermediate *Staphylococcus aureus*.

^β Only isolates recovered from blood and sterile body sites are routinely tested.

[‡] Daptomycin routinely tested only on isolates from sterile sites.

^{††} Moxifloxacin susceptibility results can be inferred from gatifloxacin susceptibility testing.

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