



Department of Pathology and Immunology

SECTION OF PATHOLOGY INFORMATICS

Regional Adult Antibigrams

2024

Foreword

These antibiograms summarize the susceptibility rates of bacteria isolated from clinical specimens collected during the year 2024 and processed in the microbiology laboratory at Barnes-Jewish Hospital. Only the first isolate per patient based on collection time are included in the generation of the antibiograms. Susceptibility rates are presented for organisms where there were at least 30 total tested isolates. Additional susceptibilities are presented for select organism groups as defined in the [glossary](#).

Questions regarding these antibiograms and antimicrobial susceptibility testing performed in the Microbiology Laboratory of Barnes-Jewish Hospital should be directed to:

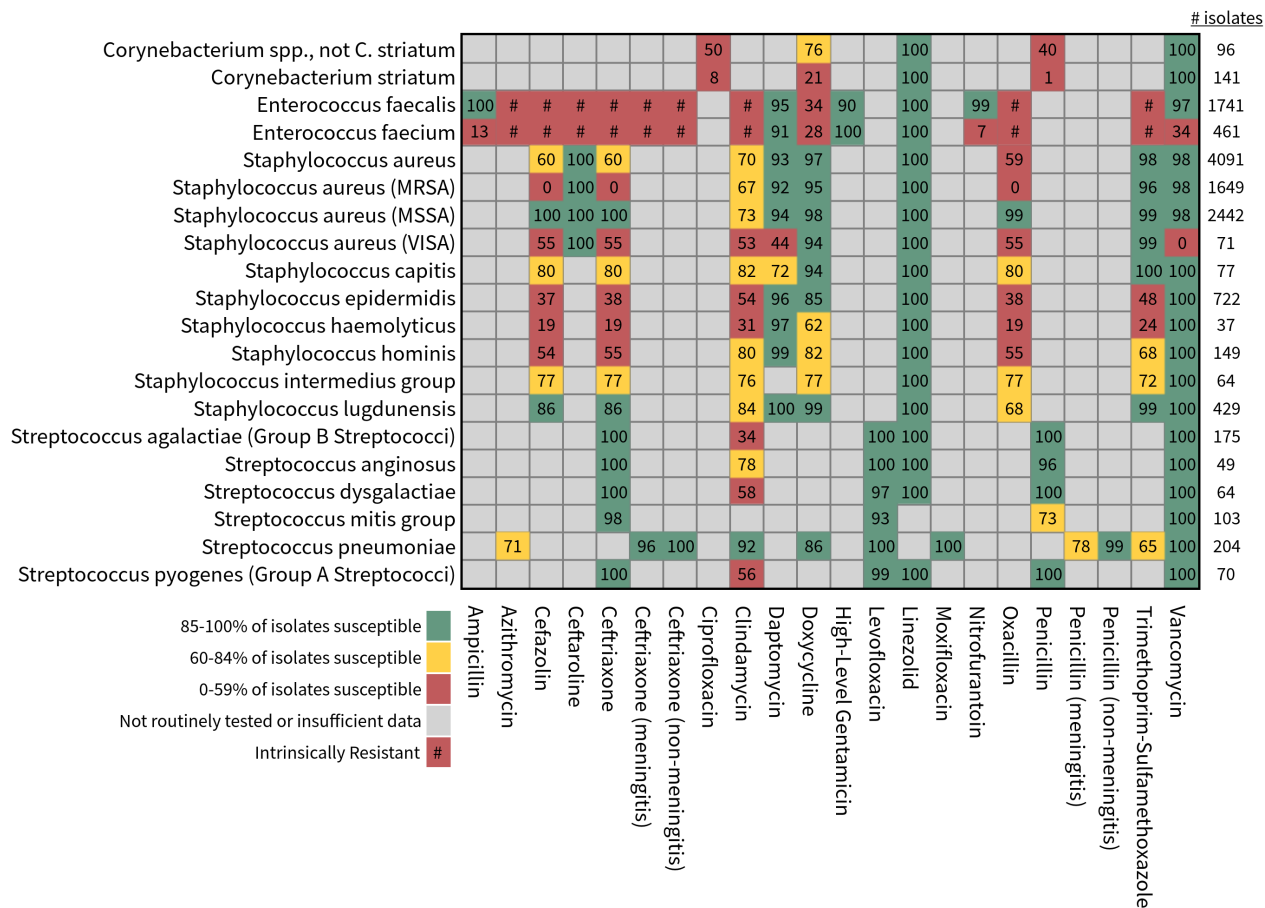
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2024 Regional Adult: Gram Positive



Data based on first isolate per patient.

Daptomycin only routinely tested on Staphylococcus isolates recovered from blood or sterile body sites.

Nitrofurantoin only indicated for uncomplicated cystitis.

Streptococcus agalactiae (Group B Streptococci), Streptococcus pyogenes (Group A Streptococci), Streptococcus dysgalactiae, and Viridans group Streptococci only routinely tested if recovered from blood or sterile body sites.

Hospitals Included: Alton Memorial Hospital, Barnes-Jewish Hospital, Christian Hospital, Memorial Hospital, Parkland Health Center, St. Louis Children's Hospital

Ages: Adult (≥18 years)

Collection Setting: Inpatient, Outpatient, and Emergency Department

2024 Regional Adult: Gram Negative

														# isolates			
Achromobacter spp.	#	#	#	11	83	#	#	14	9			89	#		95	70	
Acinetobacter calcoaceticus-baumannii complex	#	73	#	47	55			40	86			46	#	38	68	133	
Acinetobacter spp., not A. calcoaceticus-baumannii complex	#	100	#	98	86			58	100	98		100	#	92	90	52	
Citrobacter freundii complex	#	#	&	98	&			&	85	96		98	95	&	86	286	
Citrobacter koseri	#	91	95	99	98			97	98	98		99	93	94	98	242	
Enterobacter cloacae complex	#	#	&	96	&			&	89	97		98	45	&	86	751	
Escherichia coli	50	56		86	96	93		90	76	91		100		95	75	9910	
Escherichia coli - URINE ONLY	51			89	97	94		90	77	92		100		97	96	8982	
Klebsiella (Enterobacter) aerogenes	#	#	&	98				&	94	99		98	27	&	96	360	
Klebsiella oxytoca	#	58	64	96	93			87	90	93		100	98	88	87	416	
Klebsiella pneumoniae	#	52	86	94	89			88	80	94		99	55	83	78	2659	
Klebsiella variicola	#	76	93	99	96			96	93	98		100	90	91	93	243	
Morganella morganii	#	35	#	100	82			96	80	92	56	100	#	#	90	210	
Proteus mirabilis	80	92	70	98	98			95	74	96	93	100	#	#	99	1592	
Proteus vulgaris/hauseri	#	93	#	99	100			92	94	98		100	#	#	100	128	
Providencia rettgeri	#	#	#	99	99			97	84	98		100	#	#	99	97	
Providencia stuartii	#	#	#	100	90			99	53	70		100	#	#	97	98	
Pseudomonas aeruginosa	#	#	81	#	95	100	94	98	#	84	88	91	#	92	96	2038	
Pseudomonas aeruginosa (mucooid morphotype)	#	#	81	#	88	99	92	95	#	61	82	86	#	91	89	178	
Pseudomonas putida group	#	#	#	98	98			#	95	97		85	#			41	
Pseudomonas spp., not P.aeruginosa	#	#	#	97	95			#	96	96		89	#			75	
Serratia marcescens	#	#	#	98	96			95	88	99		100	#	94	90	287	
Stenotrophomonas maltophilia	#	#	#					#	#		#	#	90	#	100	#	217

85-100% of isolates susceptible	■
60-84% of isolates susceptible	■
0-59% of isolates susceptible	■
Not routinely tested or insufficient data	■
Intrinsically Resistant	#
Inducibly Resistant	&

Ampicillin	
Ampicillin/Subactam	
Aztreonam	
Cefazolin	
Cefepime	
Cefiderocol	
Ceftazidime	
Ceftolozane/Tazobactam	
Ceftriaxone	
Ciprofloxacin	
Gentamicin	
Imipenem	
Levofloxacin	
Meropenem	
Minocycline	
Nitrofurantoin	
Piperacillin/Tazobactam	
Tobramycin	
Trimethoprim-Sulfamethoxazole	

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Glossary

Abbreviations

MRSA: Methicillin resistant *Staphylococcus aureus*

MSSA: Methicillin susceptible *Staphylococcus aureus*

VISA: Vancomycin intermediate *Staphylococcus aureus*

Organism groups

***Corynebacterium* spp., not *C. striatum*:** *Corynebacterium accolens*, *Corynebacterium amycolatum*, *Corynebacterium aurimucosum* / *minutissimum*, *Corynebacterium confusum*, *Corynebacterium diphtheriae*, *Corynebacterium glucuronolyticum*, *Corynebacterium imitans*, *Corynebacterium jeikeium* (JK Group), *Corynebacterium kroppenstedtii*, *Corynebacterium macginleyi*, *Corynebacterium propinquum* / *pseudodiphtheriticum*, *Corynebacterium pseudodiphtheriticum*, *Corynebacterium resistens*, *Corynebacterium riegelii*, *Corynebacterium* spp., *Corynebacterium tuberculostearicum*, *Corynebacterium ulcerans*, *Corynebacterium urealyticum*

***Corynebacterium striatum*:** *Corynebacterium striatum*, *Corynebacterium striatum* / *simulans*

***Pseudomonas aeruginosa*:** *Pseudomonas aeruginosa*, *Pseudomonas aeruginosa*, *Pseudomonas aeruginosa* (mucoid morphotype), *Pseudomonas aeruginosa* group

***Pseudomonas* spp., not *P.aeruginosa*:** *Pseudomonas fluorescens* group, *Pseudomonas luteola*, *Pseudomonas oryzihabitans*, *Pseudomonas putida* group, *Pseudomonas* spp., *Pseudomonas* spp., not *Pseudomonas aeruginosa*, *Pseudomonas stutzeri*

Report Log

Report Generation Date and Time

2025-05-07 21:32

Report Generation Software

<https://github.com/WUSM-LGM-Informatics-Section/resistalytics>

v2023.1.0-69-gbcc89a4

bcc89a42752d3b4ef8daf1fb4fed867e44b0b5e8

Software Written and Maintained by

[Section of Pathology Informatics](#)

Contact Information for Support and Issues

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