



Department of Pathology and Immunology

SECTION OF PATHOLOGY INFORMATICS

Regional Pediatric 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:

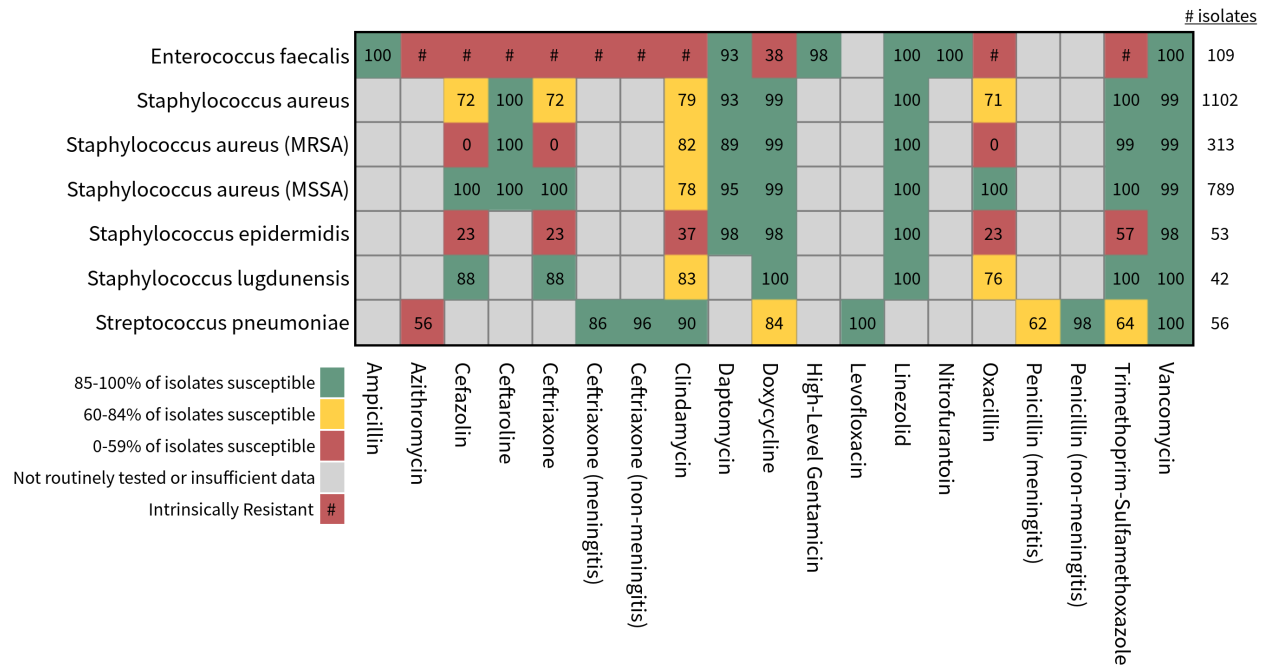
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2024 Regional Pediatric: Gram Positive



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.

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

Ages: Pediatric (<18 years)

Collection Setting: Inpatient, Outpatient, and Emergency Department

2024 Regional Pediatric: Gram Negative

																	# isolates				
Enterobacter cloacae complex	#	#	&	#	96			&		&	93	91			100			&		86	55
Escherichia coli	50	62		91	98		96		94	87	91			100				94		75	872
Escherichia coli - URINE ONLY	50			94	99		97		95	88	91			100		100	95			76	810
Klebsiella oxytoca	#	66		48	95		92		86	85	81			100				86		81	59
Klebsiella pneumoniae	#	68		86	95		90		91	84	91			99		54	81			84	97
Proteus mirabilis	92			81	100		100		100	95	92			100	#	#	100			84	64
Pseudomonas aeruginosa	#	#	85	#	96	100	97	98	#	87		93		95		#	95	86	#	196	
Serratia marcescens	#	#		#	98		85		86	93	83			98		#	95			97	59
Stenotrophomonas maltophilia	#	#	#	#				#	#		#	#	98	#	100	#	#	#		100	56

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/Sulbactam	Aztreonam	Cefazolin	Cefepime	Cefiderocol	Ceftazidime	Ceftiozane/Tazobactam	Ceftriaxone	Ciprofloxacin	Gentamicin	Imipenem	Levofloxacin	Meropenem	Mimocycline	Nitrofurantoin	Piperacillin/Tazobactam	Tobramycin	Trimethoprim-Sulfamethoxazole
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Glossary

Abbreviations

MRSA: Methicillin resistant *Staphylococcus aureus*

MSSA: Methicillin susceptible *Staphylococcus aureus*

Organism groups

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

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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