January 1 - December 31, 2024 Antibiograms - Inpatients
Percent Susceptible (%S[1])

Gram Negative Isolates

Saint Francis Healthcare System
211 Saint Francis Drive
Cape Girardeau, MO 63703

Organism	Number of Isolates	B-lactams: Penicillins: Ampicillin	Ampicillin/Sulbactam	Pipercillin/tazobactan	Cephalosporins: Cefazolin	Cefepime	Cefotaxime	Cefoxitin	Ceftriaxone	Ceftazidime	Carbapenems: Ertapenem	Meropenem	Mono-bactam: Aztreonam	Aminoglycosides: Amikacin	Gentamicin	Tobramycin	FQ: Ciprofloxacin	Levofloxacin	Other: Tetracycline	Tigecycline	Trimethoprim-sulfamethoxazole	Nitrofurantoin[2]	2Number of Urinary Isolates
Acinetobacter baumannii	+	R			R						R		R										
Citrobacter freundii	+	R	R		R			R															
Enterobacter cloacae	71	R	R	83	R	87	73	R	69	73	85	100	73	100	97	96	87	93	85	99	90	30	37
Escherichia coli	497	62	68	99	76	99	99	94	98	99	99	100	98	100	93	96	75	79	79	100	76	98	402
Escherichia coli, ESBL	97	0	26	95	0	0	0	81	0	9	99	100	0	97	61	58	22	34	37	100	44	95	77
Klebsiella aerogenes	+	R	R		R			R															
Klebsiella oxytoca	44	R	73	93	5	89	93	100	89	93	98	100	86	100	93	91	95	98	86	98	91		+
Klebsiella pneumoniae	166	R	86	98	89	99	99	92	99	99	99	99	99	100	99	98	94	94	81	97	89	61	132
Klebsiella pneumoniae, ESBL	+																						
Morganella morganii	45	R	4	100	R	98	91	80	87	86	100	98	87	100	96	98	69	69	53	R	73	R	+
Proteus mirabilis	134	76	90	100	69	99	100	97	99	99	100	100	96	100	96	97	72	75	R	R	79	R	91
Providencia spp.	+																		R	R		R	
Pseudomonas aeruginosa	152	R	R	93		87	R		R	92	R	91	80			95	84	79	R	R	R		
Salmonella spp.	+																						
Serratia marcescens	30	R	R	80	R	80	50	R	67	47	100	100	60	100	97	83	90	93	R	100	97	R	+
Shigella spp.	+																						
Stenotrophomonas maltophilia	+	R	R	R			R		R		R	R	R	R	R	R			R				

Haemophilus influenzae % Beta Lactamase Positive = 44% (N = 55)

Gram Positive Isolates

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211 Saint Francis Drive
Cape Girardeau, MO 63703

Organism	Number of Isolates	B-lactams: Penicillins: Ampicillin	Amox/ K Clav	Penicillin[3]	Oxacillin	Cephalosporins: Cefazolin	Cefepime	Cefotaxime[3]	Ceftaroline	Ceftriaxone[3]	Meropenem[3]	Aminoglycosides: Gentamicin	Gentamicin Synergy	Streptomycin Synergy	FQ: Ciprofloxacin	Levofloxacin	Macrolide: Azithromycin	Erythromycin	Other: Tetracycline	Tigecycline	Clindamycin	Daptomycin	Linezolid	Rifampin	Trimethoprim-Sulfamethoxazole	Vancomycin	Nitrofurantoin[2]
Enterococcus spp.	+					R	R	R	R	R											R				R		
Enterococcus faecalis	149	100		100		R	R	R	R	R			84	91	79	87		30	30	100	R	100	99	50	R	99	100
Enterococcus faecalis - Vancomycin Resistant (VRE)	+					R	R	R	R	R											R				R	R	
Enterococcus faecium	+					R	R	R	R	R											R				R		
Enterococcus faecium - Vancomycin Resistant (VRE)	30	R		R		R	R	R	R	R			100	30	R	R			7		R	93	100	R	R	R	
Staphylococcus aureus - Methicillin Sensitive (MSSA)	140	R		19	100	100			100	100		97			86	87		64	94	100	79	99	100	97	100	100	
Staphylococcus aureus - Methicillin Resistant (MRSA)	123	R		R	R	R			99	R		97			31	34		21	78	96	59	99	100	99	94	100	
Staphylococcus epidermidis	129	R		6	34	34				34		88			59	59		31	80	100	53	100	100	100	65	100	100
Staphylococcus hominis	35	R		9	57	54				57		97			77	77		15			58	100	100	97	71	100	
Streptococcus agalactiae	61			98												98		22	11		47	98	100				
Streptococcus pneumoniae[3]	35		97	56			100	94		97	82					97		55	71		85				68	100	
Streptococcus anginosus	+																										

[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

Reference: Clinical and Laboratory Standards Institute - M39 Analysis and Presentation of Cumulative Antimicrobial Susceptibility Test Data, 5th Edition.