Table I.
Gram-Negative Bacilli [1]

Norton Children's Hospital
2023

		Penicillins					Cephalosporins						Monobactam	Carbapenems		Aminoglycosides			Others			
	Number Tested	Ampicillin	Amoxicillin/Clavulanate	Ampicillin/Sulbactam	Piperacillin/Tazobactam (%S) [2]	Piperacillin/Tazobactam (%SDD) [2]	Oral cephalosporins for uncomplicated UTI	Cefazolin	Cefepime (%S) [3]	Cefepime (%SDD) [3]	Ceftazidime	Ceftriaxone	Aztreonam	Ertapenem	Meropenem	Amikacin	Gentamicin	Tobramycin	Ciprofloxacin	Levofloxacin	Nitrofurantoin [4]	Trimeth/Sulfa
Acinetobacter baumannii complex [5]	11	R	R	82				R	100		100		R	R	100	*	64	82	100	100		91
Citrobacter freundii complex [6]	18	R	R	R	*	*		R	89	6	72	72	*	94	100	*	89	89	94	94	85	83
Enterobacter cloacae complex [7]	54	R	R	R	80	0		R	91	6	80	76	73	94	100	100	98	100	93	93	29	85
Escherichia coli	578	46	85	56	96	1	90	72	93	1	94	93	92	100	100	99	89	90	79	84	97	72
Klebsiella aerogenes	22	R	R	R	*	*		R	95	0	86	77	*	95	100	*	86	86	100	100	33	95
Klebsiella oxytoca	33	R	91	79	*	*		18	97	0	94	91	*	100	100	*	94	94	97	97	100	94
Klebsiella pneumoniae	88	R	91	74	100	0	81	72	86	0	85	80	80	99	100	100	89	86	84	92	49	77
Morganella morganii	11	R	R	73	*	*		R	100	0	73	82	*	100	100	*	91	91	91	91	R	82
Proteus mirabilis	44	91	98	95	*	*	98	95	100	0	100	100	*	100	100	*	95	98	95	95	R	95
Pseudomonas aeruginosa	118	R	R	R	95			R	92		94	R	88	R	96	96		97	87	91	R	R
Salmonella species	13	85						R	92	8	92	92				R	R	R	91		100	100
Serratia marcescens	45	R	R	R	55	15		R	98	2	56	53	60	100	100	100	100	84	78	87	R	98
Stenotrophomonas maltophilia	28	R	R	R	R	R		R			29	R	R	R	R	R	R	R		96		100

For antimicrobials listed, number shown is the percentage of unique isolates susceptible by current CLSI breakpoints, unless otherwise noted.
Please exercise discretion when data are reviewed for species with fewer than 30 isolates due to reduced statistical validity.
*Data is not shown for species or species/antimicrobial combinations that have fewer than 10 isolates.
A value of R indicates that this organism is intrinsically resistant to the antimicrobial agent.

[1] All organisms in this table are intrinsically resistant to oxacillin, penicillin, clindamycin, erythromycin, vancomycin, linezolid, and daptomycin.
[2] Interpretation of Susceptible (S) is based on dosage regimen of 3.375-4.5g administered every 6 hours as a 30 minute infusion. Interpretation of Susceptible Dose-Dependent (SDD) is based on a dosage regimen of 4.5g administered every 6 hours as a 3 hour infusion or 4.5g administered every 8 hours as a 4 hour infusion.
[3] Interpretation of Susceptible (S) is based on dosage regimen of 1g administered every 12 hours. Interpretation of Susceptible Dose-Dependent (SDD) is based on 2g administered every 8 hours.
[4] Nitrofurantoin susceptibility is based on urine isolates only.
[5] A. baumannii complex consists of the species A. baumannii, A. calcoaceticus, A. nosocomialis, and A. pitii.
[6] C. freundii complex consists of the species C. braakii, C. freundii, C. murliniae, C. sedlaki, C. werkmanii, and C. youngae.
[7] E. cloacae complex consists of the species E. asburiae, E. cloacae, E. hormaechei, E. kobei, E. ludwigii, and E. nimipressuralis.

Table II.
Gram-Positive Cocci [1]

Norton Children's Hospital 2023

		Penicillins				Cephalosporins		Gram + Coverage						Others			
	Number Tested	Amoxicillin/Clavulanate	Ampicillin	Oxacillin	Penicillin	Cefazolin	Ceftriaxone	Gentamicin Synergy	Clindamycin [2,3]	Erythromycin [3]	Vancomycin	Linezolid	Daptomycin [4]	Levofloxacin	Nitrofurantoin [3]	Tetracycline	Trimeth/Sulfa
Staphylococcus aureus	353	54		54		54			82	48	100	100	99			94	99
Methicillin-resistant S. aureus	162	0		0		0			81	26	100	100	100			95	98
Methicillin-susceptible S. aureus	191	100		100		100			83	67	100	100	99			94	99
Staphylococcus epidermidis	90	31		31		31			35	15	100	100	100		98	90	61
Staphylococcus haemolyticus	12	25		25		25			*	*	100	100	100		*	58	67
Staphylococcus lugdunensis	10	90		90		90			*	*	100	100	100		*	100	100
Staphylococcus simulans	25	76		76		76			*	*	100	100	100		100	92	100
Other coagulase-negative staphylococci	30	60		60		60			71	62	100	100	100		*	93	100
Enterococcus faecalis	135		100		100	R	R	79	R	21	100	100	100		100	34	R
Enterococcus faecium	10		70		70	R	R	80	R	*	80	100	90 (SDD)		*	50	R
Group A Streptococcus (S. pyogenes)	12		100		100		100		100	83	100			100		100	R
Streptococcus anginosus [5]	29		97		97		97		83	66	100			97		41	
Streptococcus constellatus [5]	13		85		92		92		100	69	100			100		85	
Streptococcus intermedius [5]	12		100		100		100		83	58	100			100		75	
Streptococcus pneumoniae	39	95			See Table III		See Table III		95	51	100			100		85	74
Viridans streptococci	24		50		50		71		75	15	100			92		70	

For antimicrobials listed, number shown is the percentage of unique isolates susceptible by current CLSI breakpoints, unless otherwise noted.
Please exercise discretion when data are reviewed for species with fewer than 30 isolates due to reduced statistical validity.
*Data is not shown for species or species/antimicrobial combinations that have fewer than 10 isolates.
A value of R indicates that this organism is intrinsically resistant to the antimicrobial agent.

[1] All organisms in this table are intrinsically resistant to aztreonam.
[2] MRSA: 6% inducible resistance, 12% constitutive resistance; MSSA: 13% inducible resistance, 4% constitutive resistance; Coag-neg Staph (all species): 3% inducible resistance, 44% constitutive resistance.
[3] Clindamycin and erythromycin data are based on non-urine isolates only. Nitrofurantoin susceptibility is based on urine isolates only.
[4] For E. faecium only, daptomycin interpretation of SDD is based on dosage regimen of 8-12 mg/kg administered every 24 hours and is intended for serious E. faecium infections only. There is no S category for E. faecium with daptomycin. For other Enterococcus species, daptomycin interpretation of S is based on a dosage regimen of 6 mg/kg administered every 24 hours.
[5] S. anginosus, S. constellatus, and S. intermedius together comprise the S. anginosus complex.

Table III.
Streptococcus pneumoniae
Penicillin & Ceftriaxone

Norton Children's Hospital 2023

	Penicillin - IV meningitis	Penicillin - IV non-meningitis	Penicillin - Oral	Ceftriaxone - IV meningitis	Ceftriaxone - IV non-meningitis
Percent Susceptible	82	97	82	90	97
Percent Intermediate	-	0	5	8	3
Percent Resistant	18	3	13	2	0