

Table I. Gram-Negative Bacilli [1] All Norton System Hospital Locations 2022	Number Tested	Penicillins		Cephalosporins				Monobactam	Carbapenems		Aminoglycosides			Others													
		Ampicillin	Amoxicillin/Clavulanate	Ampicillin/Subbactam	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					
Achromobacter species	31				87																						
Acinetobacter baumannii complex [5]	70	R	R	71			R	83	83			R		R	80	100	93	97	77	79	81						
Other Acinetobacter species	37			97				100	97					100		100	100	95	100	100	86						
Aeromonas species	14	R	R	R	86		R	100	100	93		100		100	100	100					100	100	93				
Alcaligenes faecalis	11				100			82	91			*		100		*	91	91	36	82	64						
Citrobacter amalonaticus group [6]	18	R	57	50	*	*	0	86	5	86	24	33	100	100	100	100	100		*	*	*	86					
Citrobacter freundii complex [7]	157	R	R	R	97	3		R	95	3	77	73	76	98	99	100	94	96	85	93	93	89					
Citrobacter koseri	102	R	96	97	100	0		90	100	0	98	98	99	100	100	100	100	100	100	100	69	97					
Enterobacter cloacae complex [8]	456	R	R	R	76	3		R	82	5	67	61	68	89	99	99	96	96	93	96	22	89					
Escherichia coli	5212	48	85	57	97	1	85	67	91	1	91	89	89	99	99	99	90	92	77	80	96	74					
Hafnia alvei	10	R	R	R	*	*		R	60	0	10	10	*	90	100	*	100	100	*	*	*	100					
Klebsiella aerogenes	177	R	R	R	76	6		R	92	3	72	67	74	98	99	100	99	98	92	95	11	95					
Klebsiella oxytoca	277	R	84	65	*	*		12	90	3	94	86	85	99	100	100	95	96	89	93	86	87					
Klebsiella pneumoniae	1219	R	91	76	90	2	86	78	88	1	88	87	88	99	99	100	96	95	80	88	43	88					
Klebsiella varicola	31	R	90	84	97	0		87	97	3	97	97	90	100	100	100	97	94	*	*	*	97					
Kluyvera ascorbata	11	27	45	82	*	*		45	91	0	91	82	100	100	100	*	100	100	*	*	*	82					
Morganella morganii	141	R	R	5	100	0		R	97	1	67	77	68	99	99	98	92	95	74	74	R	79					
Pantoea agglomerans	19	94	94	94	*	*		76	100	0	94	94	93	100	100	100	100	100	*	*	*	100					
Proteus mirabilis	706	80	95	92	100	0	92	68	96	1	98	96	90	99	100	99	93	93	77	78	R	78					
Proteus vulgaris	71	R	90	70	96	4		R	87	7	89	38	57	100	100	100	100	99	79	79	R	89					
Providencia rettgeri	35	R	R	37	*	*		R	89	6	31	94	27	97	100	100	100	97	*	*	R	91					
Providencia stuartii	36	R	R	28	100	0		R	97	0	94	86	82	100	100	100	R	R	*	*	R	86					
Pseudomonas aeruginosa	926	R	R	R	90			R	89	90	R		77	R	93	96	85	98	86	85	R	R					
Pseudomonas fluorescens/putida	23				*			96	91				38		91	95	96	96	*	*		26					
Raoultella ornithinolytica	10	R	100	80	*	*		90	100	100	100		*	100	100	*	100	100	*	*	*	80					
Salmonella species	32	81						R	100	94	91					R	R	R	*	*		91					
Serratia marcescens	207	R	R	R	54	7		R	87	11	43	46	48	99	99	99	98	87	81	83	R	97					
Stenotrophomonas maltophilia	113	R	R	R	R	R		R		30	R		R	R	R	R	R	R				100					

This table includes data on organisms isolates from specimens collected at locations within Norton Audubon Hospital, Norton Brownsboro Hospital, Norton Children's Hospital, Norton Children's Medical Center, Norton Hospital, Norton Women's and Children's Hospital, and Norton King's Daughters Hospital.

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 h as a 30 minute infusion. Interpretation of Susceptible Dose-Dependent (SDD) is based on a dosage regimen of 4.5g administered every 6 h as a 3 hour infusion or 4.5g administered every 8 hour 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 1-2 g administered every 8-12 hours.

[4] Nitrofurantoin susceptibility is based on isolates from urine only

[5] A. baumannii complex consists of the species A. baumannii, A. calcoaceticus, A. nosocomialis, and A. pittii.

[6] C. amalonaticus group consists of the species C. amalonaticus and C. farmeri.

[7] C. freundii complex consists of the species C. braakii, C. freundii, C. murliniae, C. sedlaki, C. werkmanii, and C. youngae.

[8] 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] All Norton System Hospital Locations 2022	Number Tested	Penicillins				Cephalosporins		Gram + Coverage					Others					
		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	2405	52		52		52			75	37	100	100	99				93	97
Methicillin-resistant S. aureus	1163	0		0		0			72	15	100	100	99				93	95
Methicillin-susceptible S. aureus	1242	100		100		100			77	57	100	100	99				93	99
Staphylococcus capitis	50	80		80		80			85	67	100	100	92			*	92	92
Staphylococcus caprae	15	100		100		100			60	60	100	100	100			*	100	100
Staphylococcus epidermidis	711	32		32		32			49	25	99	99	99			99	78	54
Staphylococcus haemolyticus	69	32		32		32			30	26	100	100	100			100	70	65
Staphylococcus hominis	89	47		47		47			64	26	100	99	99			100	70	64
Staphylococcus lugdunensis	132	80		80		80			74	64	100	100	100			100	92	98
Staphylococcus pseudintermedius	17	82		82		82			82	82	100	100	100			*	65	71
Staphylococcus simulans	44	75		75		75			46	50	100	95	98				94	93
Other coagulase-negative staphylococci	56	55		55		55			70	54	95	100	100			100	84	88
Enterococcus avium	27		100		100	R	R	93	R	56	100	100	100			*	26	R
Enterococcus faecalis	705		99		99	R	R	81	R	30	96	99	100			99	32	R
Enterococcus faecium	134		35		32	R	R	84	R	10	49	100	91 (SDD)			53	32	R
Other Enterococcus species	34		76		71	R	R	100	R	69	65	100	100			*	59	R
Group B Streptococcus (S. agalactiae)	128		100		100		100		46	33	100			100			20	R
Streptococcus anginosus [5]	205		99		99		99		78	53	100			99			40	
Streptococcus constellatus [5]	109		99		98		99		75	68	100			100			60	
Streptococcus intermedius [5]	89		99		100		100		83	67	100			100			66	
Streptococcus pneumoniae	183	97			See Table III		See Table III		87	54	100			100			83	72
Streptococcus pyogenes	47		100		100		100		79	70	100			100			60	R
Group C/G Streptococcus	25		100		100		100		68	64	100			100			56	
Viridans streptococci	215		73		68		94		84	33	100			93			67	
Aerococcus urinae	145		98		99		98		*	*	100			69			83	R
Aerococcus viridans	28		89		82		89		*	*	100			64			96	96

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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: 7% inducible resistance, 21% constitutive resistance; MSSA: 18% inducible resistance, 5% constitutive resistance; Coag-neg Staph (all species): 6% inducible resistance, 35% 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**

**All Norton System
 Hospital Locations 2022**

	Penicillin - IV meningitis	Penicillin - IV non-meningitis	Penicillin - Oral	Ceftriaxone - IV meningitis	Ceftriaxone - IV non-meningitis
Percent Susceptible	74	98	74	92	99
Percent Intermediate	-	2	16	7	1
Percent Resistant	26	0	10	1	0