

Organism	Maximum # of isolates tested		Amikacin		Ampicillin		Amp/sulbact		Aztreonam		Cefazolin		Cefepime		Cefotetan		Ceftazidime		Ceftriaxone		Ciprofloxacin		Gentamicin		Imipenem		Levofloxacin		Nitrofurantoin ^b		Pip/azo		Tetracycline		Ticar/clav		Tobramycin		Trimeth/sulfa			
	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U		
<i>Acinetobacter spp.</i>	937	168	43	89			60		1				19	26					12	23			8	15	47	29	60	79		15			10	21	^d		22	46	40	88		
<i>Achromobacter xylosoxidans</i>		30		0					0					0					27				0		0		67		0				47			^e	43		0		97	
<i>Burkholderia cepacia</i>		51		0					16					12					43				0		0		f		10		29			^e	2		0		49			
<i>Citrobacter freundii</i> complex ^a	61	113	100	16	5	72	24	80	91	34	4	100	100	90	24	85	88	87	88	68	89	82	100	100	87	74	93	94	92	88	68	60					78	68	64			
<i>Enterobacter aerogenes</i> ^a	87	59	100	3	3	54	28	84	89	40	10	100	100	73	20	82	85	80	88	94	99	98	100	100	98	97	48	16	79	81	76	85					100	96	96			
<i>Enterobacter cloacae</i> ^a	297	182	100	8	1	48	10	84	79	9	0	99	99	64	20	84	80	75	77	91	98	98	100	100	94	95	69	37	84	82	72	70					98	94	94			
<i>Escherichia coli</i>	1691	1517	100	55	50	83	67	99	96	93	90	100	98	99	99	100	95	98	96	84	95	90	100	100	91	84	99	93	98	98	74	73					92	77	76			
<i>Klebsiella oxytoca</i>	138	143	100	3	0	85	84	96	98	79	73	100	100	100	100	100	99	98	96	96	100	100	100	100	97	96	93	85	93	96	80	78					97	91	95			
<i>Klebsiella pneumoniae</i>	502	517	99	4	0	91	85	98	98	95	96	100	99	99	100	99	99	98	91	96	97	100	100	94	91	70	29	96	95	79	89					97	86	89				
<i>Morganella morganii</i> ^a	72	52	100	3	2	33	25	92	100	6	2	100	100	92	100	81	90	97	98	67	86	69	100	92	64	77	7	0	96	96	40	55					95	38	50			
<i>Proteus mirabilis</i> ^a	197	167	100	90	84	99	95	100	99	95	96	100	100	100	100	100	100	99	83	95	89	100	81	89	87	1	1	100	100	1	0					90	84	82				
<i>Pseudomonas aeruginosa</i> ^a	848	1276	95	70				61				91	69		88	77			58	48	85	61	80	72		43			89	81			72	68	92	80						
<i>Serratia marcescens</i>	130	162	100	4	1	14	3	98	97	1	1	100	100	99	100	96	92	99	87	95	88	100	99	89	91	0	0	92	96	7	0					72	70	91				
<i>Stenotrophomonas maltophilia</i>	96	203	5				1				15					33			21		2		2	^c	17			34		^d	^e	22	43			1	99	90				

Haemophilus influenzae: 22% (n=360) at HMC were beta-lactamase positive; 21% (n=113) at UWMC were beta-lactamase positive.

Blank cells = insufficient data or drug was not tested; H = HMC; U = UWMC

^a *Citrobacter spp.*, *Enterobacter spp.*, *Hafnia alvei*, *Morganella spp.*, *Proteus spp.*, *Providencia spp.* and *P. aeruginosa* may have inducible beta-lactamase. Resistance to beta-lactams could arise on therapy

^b Indicated in urinary tract infection only

^c Moxifloxacin, a more active quinolone for *S. maltophilia*, was tested at HMC with 94% of *S. maltophilia* isolates susceptible

^d Minocycline, a more active tetracycline for *Acinetobacter spp.* and *S. maltophilia*, was tested at HMC with 40% of *Acinetobacter spp.* isolates and 100% of *S. maltophilia* isolates susceptible

^e Minocycline was tested at UWMC with 53% of *A. xylosoxidans*, 51% of *B. cepacia* and 96% of *S. maltophilia* isolates susceptible.



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2004 Antibiogram

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Organism	Maximum # of isolates tested		Amp/sulbactam		Cefazolin		Ceftriaxone ^b		Clindamycin ^e		Erythromycin		Gentamicin		Levofloxacin		Moxifloxacin		Nitrofurantoin ^d		Oxacillin		Penicillin ^c		Tetracycline		Trimeth/sulfa		Vancomycin	
	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U
<i>Staph. coag neg</i>	163	743	f	f	f	f			64	49	33	32	83	64	61	38			99	f	f	f	f	83	85	61	47	100	100	
MSSA ^e	1383	1481	100	100	100	100			96	84	71	66	99	99	95	95			100	97	100	100	16	19	96	94	98	97	100	100
MRSA ^e	1509	987	0	0	0	0			58	48	4	5	96	97	23	27			100	97	0	0	0	0	94	94	98	98	100	100
<i>Strep pneumoniae</i> ^a	368	100					87	85	95	87	84	73					100	100					81	69	89	81	65	100	100	

Blank cells = insufficient data or drug is not tested. H = HMC; U = UWMC; MSSA, methicillin-susceptible *S. aureus*; MRSA, methicillin-resistant *S. aureus*

^a Penicillin or ceftriaxone may be effective in patients with pneumonia (and no meningitis) caused by *S. pneumoniae* with intermediate susceptibility

^b *S. pneumoniae* vs ceftriaxone: 2% resistant and 11% intermediate at HMC; 0% resistant and 15% intermediate at UWMC

^c *S. pneumoniae* vs penicillin: 7% resistant and 12% intermediate at HMC; 15% resistant and 16% intermediate at UWMC

^d Indicated in urinary tract infection only

^e Inducible clindamycin resistance for all *S. aureus* isolates at HMC was 8%, at UWMC was 6%. MRSA vs. linezolid: 100% (n=11) were susceptible.

^f Phenotypic beta-lactam susceptibility testing is unreliable for coagulase-negative staphylococci. Molecular testing for *mecA* (methicillin-resistance) is required before isolates can be reported as susceptible

Organism	Maximum # of isolates tested		Ampicillin		Levofloxacin ^g		Nitrofurantoin ^d		Tetracycline		Vancomycin		High level gentamicin		High level streptomycin		Chloramphenicol ^h		Doxycycline ^h		Synercid ^h		Linezolid ^h		
	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	H	U	
<i>Enterococcus faecalis</i> ^j	93	91	99	100		43			20	99	100	64	60	73	74										
<i>Enterococcus faecium</i> ^j	36	193	9	4		2		42	56	18	9	71	44	57	68	93	94	56	67	100	99	100	94		
<i>Enterococcus spp.</i> ^k	974	1063	89	91	50	50	94	94	28	28	92	98	72	71	78	80	93	95	51	68	99	95	97	100	

Blank cells = insufficient data or drug was not tested. H = HMC; U = UWMC.

^d Indicated in urinary tract infection only

^g Levofloxacin is tested against urinary tract isolates only at HMC and against all isolates at UWMC

^h Chloramphenicol, doxycycline, synercid and linezolid are tested against VRE only.

^j Includes all isolates from sterile sites and VRE from non-sterile sites at UWMC.

^k *Enterococcus spp.* Comprises isolates from non-sterile sites at both hospitals and includes VRE from HMC.