

Clinical Microbiology Summary of Antibiotic Susceptibility Testing - January 1, 2007 through December 31, 2007



	No. of Isolates	Amikacin	Amoxicillin/clavulanic	Ampicillin	Amp/subactam	Aztreonam	Cefazolin	Cefepime	Cefotaxime (non-meningitis)	Cefotetan	Ceftazidime	Ceftriaxone (non-meningitis)	Cefuroxime	Chloramphenicol	Clindamycin	Colistin	Daptomycin	Erythromycin	Gentamicin	Levofloxacin	Linezolid	Meropenem	Minocycline	Nitrofurantoin	Oxacillin	Penicillin	Piperacillin/Tazobactam	Polymyxin B	Rifampin	Synercid	Tetracycline	Tigecycline	Tobramycin	Trimeth/sulfa	Vancomycin
Achromobacter xylosoxidans	29	(29) 28	(12) 58			(15) 7	(16) 0	(29) 21	(25) 0	(12) 8	(28) 57	(27) 11	(15) 0						(28) 14	(29) 48		(29) 76	(15) 0			(29) 86						(29) 21	(27) 74		
Acinetobacter baumannii/complex	169	(169) 77	(13) 15	(145) 0	(29) 41	(132) 0	(43) 0	(61) 21	(51) 14	(13) 15	(168) 36	(169) 17	(127) 0			(72) 99			(169) 60	(169) 41		(169) 64	(134) 1			(139) 39	(70) 100			(120) 45	(169) 67	(168) 46			
Acinetobacter lwoffii	26	(26) 100	(7) 71			(16) 0	(7) 0	(26) 50	(10) 70	(7) 1	(26) 50	(25) 40	(7) 43						(25) 96	(25) 100		(26) 100	(21) 0			(15) 80			(15) 93	(26) 96	(26) 92				
Burkholderia cepacia	8	(8) 0		(4) 0	(5) 0	(1) 0	(4) 0	(4) 0	(4) 0	(1) 0	(8) 50								(8) 0	(8) 63		(8) 75	(4) 0			(4) 50					(8) 0	(8) 88			
Citrobacter freundii	65	(65) 97		(64) 8	(52) 89	(53) 89		(65) 92	(14) 79		(20) 85	(63) 87	(63) 22						(65) 86	(65) 91		(65) 100	(55) 98			(63) 90			(52) 83	(65) 83	(65) 80				
Enterobacter aerogenes	139	(139) 100	(16) 1	(139) 5	(133) 81	(135) 15	(40) 99	(139) 85	(40) 95		(120) 75	(121) 121							(139) 100	(139) 97		(139) 99	(132) 25			(139) 78			(112) 91	(4) 75	(139) 99	(139) 99			
Enterobacter cloacae	354	(354) 99	(58) 5	(351) 4	(318) 81	(326) 8	(125) 93	(354) 93	(125) 82	(58) 76	(309) 81	(310) 80	(308) 5						(354) 95	(354) 94		(353) 100	(329) 25			(354) 84			(267) 90	(12) 75	(354) 95	(354) 92			
Escherichia coli	2043	(2043) 100		(2040) 51	(1976) 53	(1985) 96	(848) 85	(2041) 97	(844) 99		(1477) 95	(1480) 96	(1477) 88						(2043) 91	(2043) 80		(2039) 100	(1945) 98			(2042) 96			(1388) 74	(2043) 91	(2041) 74				
Haemophilus influenzae	196		(196) 91	(153) 82																(195) 100									(195) 98			(195) 68			
Klebsiella pneumoniae	783	(782) 98		(781) 1	(736) 74	(746) 92		(781) 92	(320) 91		(619) 90	(620) 91	(193) 58						(781) 94	(780) 92		(782) 100	(733) 47			(783) 90			(563) 83	(781) 92	(781) 90				
Morganella morganii	77	(77) 99		(77) 1	(71) 21	(73) 81		(77) 97	(24) 71		(67) 81	(67) 88	(67) 0						(77) 86	(77) 75		(77) 100	(69) 4			(77) 95			(61) 49	(77) 88	(77) 75				
Proteus mirabilis	280	(280) 100	(24) 100	(279) 83	(108) 95	(269) 94	(119) 97	(122) 92	(119) 99	(24) 100	(199) 98	(199) 99	(198) 97						(280) 87	(280) 81		(280) 100	(265) 2			(280) 96			(184) 0	(280) 86	(280) 82				
Pseudomonas aeruginosa	970	(970) 79				(336) 66		(969) 66			(962) 77					(103) 78			(849) 67	(746) 63		(968) 84				(950) 83	(90) 81					(970) 85	(749) 12		
Serratia marcescens	167	(167) 98	(47) 0	(167) 1	(149) 2	(155) 94	(65) 0	(167) 96	(65) 69	(45) 91	(151) 87	(153) 86	(154) 0						(167) 93	(167) 97		(167) 99	(155) 0			(166) 87			(129) 0	(3) 100	(167) 83	(73) 96			
Stenotrophomonas maltophilia	153																			(153) 76		(153) 97										(153) 96			
Enterococcus faecalis	587			(581) 99										(469) 87			(242) 100	(562) 13		(497) 69	(587) 98		(509) 99		(583) 98			(472) 77	(485) 0	(584) 25			(585) 98		
Enterococcus faecium	368			(368) 7										(308) 97	(55) 0		(163) 100	(362) 2		(316) 6	(368) 96		(277) 58	(299) 37	(366) 7		(356) 9	(355) 88	(368) 58				(368) 20		
Staphylococcus aureus	2240		(474) 44	(2145) 3	(862) 95		(1307) 75				(112) 9			(469) 99	(2228) 82		(1939) 100	(2228) 30	(2237) 97	(2237) 64	(2235) 100	(111) 98	(1918) 100	(2240) 44	(2174) 4	(226) 97		(2233) 100	(2230) 100	(2236) 97	(41) 55	(191) 55	(2235) 98	(2237) 100	
Staphylococcus aureus (MRSA)	1246			(1238) 0										(265) 99	(1246) 73		(1099) 100	(1246) 6	(1246) 96	(1246) 43	(1246) 100		(1072) 100	(1246) 0	(1246) 0		(1246) 100	(1245) 99	(1246) 96	(36) 100		(1246) 98	(1245) 100		
Staphylococcus aureus (MSSA)	994			(907) 8	(817) 100	(980) 100	(107) 100							(204) 100	(982) 94		(840) 100	(982) 60	(991) 98	(991) 92	(989) 100	(107) 100	(846) 100	(994) 100	(928) 8	(212) 100	(987) 99	(985) 100	(990) 97	(5) 100		(989) 98	(992) 100		
Staphylococcus epidermidis	577		(275) 17	(568) 4	(111) 68	(368) 29								(273) 100	(572) 54		(416) 100	(572) 20	(471) 71	(577) 34	(574) 100	(1) 100	(548) 99	(576) 18	(575) 2	(67) 87	(573) 95	(573) 97	(575) 81			(309) 51	(513) 99		
Streptococcus pneumoniae SS	251							(27) 85				(245) 93						(212) 46		(245) 99,184	(46) 80				(251) 45			(208) 68			(211) 61	(47) 100			
I								(1) 4				(15) 6						(1) 0		(1) 0.408	(6) 13				(94) 37			(0) 0			(38) 18	(0) 0			
R								(3) 11				(3) 1						(113) 53		(1) 0.408	(3) 7				(43) 17			(67) 32			(45) 21	(0) 0			

Data are only for UKMC and are not applicable to any other institution.
 Number in parenthesis = number of isolates tested.
 Number listed = % Susceptible.

UKMC Pharmacy Services Antibiotics Adult Dosing & Cost Relative to Comparable Agents

Drug	Standard Adult Dosing (i.e. Clcr>50 ml / min)	Relative Cost	
Penicillins	Ampicillin	1 g IV q6h	\$
	Amoxicillin	500 mg po q8h	\$
	Penicillin G	1-4 MU IV q4h	\$
	Penicillin V	500 mg po q6h	\$
	Nafcillin	1 g IV q4h	\$
	Dicloxacillin	500 mg po q6h	\$
	Piperacillin	3 g IV q4h	\$ \$ \$
	Ampicillin / Sulbactam (Unasyn)	1.5-3 g IV q6h	\$ \$ \$
	Amoxicillin / Clavulanate (Augmentin)	500 mg po q8h	\$ \$ \$
	Piperacillin / Tazobactam (Zosyn)	3.375 g IV q6h	\$ \$ \$
Cephalosporins	Cefazolin	1 g IV q8h	\$
	Cephalexin	500 mg po q6h	\$
	Cefixime	200 mg po q12h	\$ \$
	Cefuroxime IV	0.75-1.5 g IV q8h	\$ \$
	Cefuroxime PO	500 mg po q12 A	\$ \$ \$
	Cefprozil	500 mg po q12h	\$ \$ \$
	Cefotaxime	1 g IV q8h	\$ \$ \$
	Ceftraxone (Rocephin)	1 g IV q24h	\$ \$ \$
	Cefepime (Maxipime)	1-2 g IV q12h	\$ \$ \$ \$
Aminoglycosides	Gentamicin	7 mg / kg IV q24h	\$
	Tobramycin	7 mg / kg IV q24h	\$ \$
	Amikacin	15 mg / kg IV q24h	\$ \$
Miscellaneous	Clindamycin IV	600 mg IV 18h	\$
	Clindamycin PO*	300 mg po q6h	\$ \$
	Doxycycline IV*	100 mg IV q12h	\$ \$
	Doxycycline PO*	100 mg po q12h	\$ \$
	Erythromycin IV*	500 mg IV q6h	\$ \$
	Erythromycin PO*	500 mg IV q6h	\$ \$
	Azithromycin IV* (Zithromax)	500 mg IV q24	\$ \$
	Azithromycin PO*	500 mg po q24h	\$ \$
	Metronidazole IV	500 mg IV q8h	\$ \$
	Metronidazole PO	500 mg po q8h	\$ \$
	TMP / SMX (non-PCP dose)	2.5-5 mg / kg TMP po bid	\$
	TMP / SMX PO	160 mg TMP po bid	\$
	Vancomycin	15 mg / kg IV q12-24h	\$ \$
	Meropenem (Merrem)	1 g IV q8h	\$ \$ \$ \$
	Aztreonam (Azactam)	1 g IV q8h	\$ \$ \$ \$
	Levofloxacin IV (Levaquin)	500 mg IV q24h	\$ \$ \$
	Levofloxacin PO	500 mg po q24h	\$ \$ \$
	Quinupristin / Dalfopristin* (Synercid)	7.5 mg / kg IV q8-12h	\$ \$ \$ \$ \$
	Linezolid IV** (Zyvox)	600 mg IV q12h	\$ \$ \$ \$ \$
	Linezolid PO**	600 mg po q12h	\$ \$ \$ \$

Dose and intervals are for moderately severe infections. *No dosage adjustments for renal failure recommended, must adjust with hepatic impairment.

**No dosage adjustments for renal or hepatic failure. Revised 10/04



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