

CLINICAL PATHOLOGY DEPARTMENT - MICROBIOLOGY SECTION

*ANTIBIOTIC PROFILE JANUARY - DECEMBER 2010 Total Inpatient and Outpatient

*The cumulative antimicrobial susceptibility data report is based on the inclusion of only the first isolate of a given species from an individual patient.

This data is presented with the aim of guiding clinicians in the selection of initial empirical antimicrobial therapy for infections.

**** % SUSCEPTIBLE ****

	Achromobacter xylosoxidans	Acinetobacter species	Burkholderia cepacia complex***2 years data	Citrobacter freundii	Citrobacter koseri	Enterobacter aerogenes	Enterobacter cloacae	Escherichia coli (Blood and CSF)	Escherichia coli	Klebsiella oxytoca	Klebsiella pneumoniae	Morganella morganii	Proteus mirabilis	Pseudomonas aeruginosa	Pseudomonas aeruginos (Mucoid)	Serratia marcescens	Salmonella species**2 years data	Shigella species	Stenotrophomonas maltophilia	Enterococcus faecalis**	Enterococcus species includes E faecium and E faecalis	Staphylococcus Coagulase Negative	Staphylococcus aureus Total	Staphylococcus aureus MRSA	Staphylococcus aureus MSSA	Streptococcus pneumoniae (Blood and CSF)	Streptococcus pneumoniae (non-sterile sites)	Vitridans streptococcus					
# of Isolates Tested	89	96	32	43	38	54	235	38	1628	74	335	44	217	711	124	137	35	32	180	48	500	127	2984	1607	1377	27	256	44					
Amikacin	16	97		98	100	98	94	100	100	100	100	98	100	88	43	99																	
Ampicillin			94			0	0	24	36	0	0	0	82					59		100	94												
Amoxicillin/Clavulanate				14	95	4	3	71	70	92	92					1																	
Aztreonam														69																			
Cefepime														79																			
Cefotaxime				74	97	70	95	95	97	92	97	80	99			85	100																
Cefotaxime (meningitis)																										71	59						
Cefotaxime (nonmeningitis)																										91	81						
Ceftazidime	71	64	68	74	97	71	95	95	97	92	98	82	100	91	84	98			16														
Ceftriaxone		14																															
Ceftriaxone (meningitis)																										69	65						
Ceftriaxone (non meningitis)																										90	86						
Cephalothin*				0	82	2	34	34	58	75	87	0	96			0																	
Ciprofloxacin		77		93	100	94	79	79	89	97	98	98	99	91	80	93	100	100															
Clindamycin																						42	80	80	81	88	63						
Colistin															100																		
Erythromycin																							20	34	12	60	78	37					
Gentamicin	4	85		84	95	93	82	82	90	84	97	91	95	74	47	93						64	96	99	95								
Gentamicin Synergy*																				47	79												
Levofloxacin	28	97	67	93	100	98	78	78	89	97	98	100	100	89		95	100	100	89	100	95						100	100					
Linezolid																						100	99	99	99	100	100	100					
Meropenem	84		44	100	100	100	100	100	100	100	100	100	100	95	80	99											77	55					
Nitrofurantoin				92	79	13			94	72	24	0	0																				
Oxacillin																						26	46	0	100								
Penicillin																				100	94									36			
Penicillin (meningitis)																										62	34						
Penicillin (non meningitis)																										91	67						
Piperacillin	76			63	0	67	24	24	38	4	3	59	89	91	81	90																	
Piperacillin/Tazobactam	80					72	89	89	92	93	93	84	99	92	90	97																	
Rifampin																						92	99	99	100								
Streptomycin Synergy*																				89	85												
Tetracycline																						19	80	96	96	96	88	58					
Ticarillin															72																		
Ticarillin/Clavulanic																																	
Tobramycin	9	89		91	95	93	84	84	90	84	97	91	97	88	65	91																	
Trimethoprim-sulfamethoxazole	77		44	79	89	91	45	45	57	80	84	91	88			96	100	13	88				98	99	97	63	44						
Vancomycin																						100	100	100	100	100	100	100	100				

*Cephalothin interpretive criteria should be used to predict results to the oral agents, cefadroxil, cefpodoxime, cephalixin, and loracarbef

**Enterococcus species - 4% high level resistance to both gentamicin and streptomycin synergy

***Enterococcus faecalis - 2% high level resistance to both gentamicin and streptomycin synergy

%Susceptibilities of organisms with isolates (n<30) are not included in table