

Saskatoon Health Region ANTIBIOGRAM 2016
ADULT INPATIENTS - Urinary Isolates
January 1, 2016 - December 31, 2016

Inpatients – % Susceptible

	# Isolates tested	Penicillin PO/IV	Ampicillin/Amoxicillin	Cloxacillin	Amoxicillin-Clavulanic acid	Piperacillin-Tazobactam	Cephalexin	Cefazolin	Cefoxitin	Cefuroxime	Ceftriaxone	Ceftazidime	Meropenem	Ertapenem	Clindamycin	Azithromycin	Erythromycin	Tetracycline/Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Nitrofurantoin (urine only)	Gentamicin ³	Tobramycin	Vancomycin
GRAM-NEGATIVE BACTERIA																									
<i>Escherichia coli</i> ¹	1025	52		80	95	78	88		88	89	100	99						69		76	96	89	91		
<i>Enterobacter aerogenes</i> ²	38	R		R	53	R	R		53	58	100	97						95		97	R	100	100		
<i>Enterobacter cloacae</i> ²	63			R	73	R	R		71	73	100	91						91		86	33	98	98		
<i>Klebsiella pneumoniae</i> ¹	256	R		95	93	86	87		90	90	99	99						92		84	53	98	98		
<i>Klebsiella oxytoca</i>	73			92	92	43	96		97	100	100	99						96		93	92	99	99		
<i>Pseudomonas aeruginosa</i> ²	124				94						90	95						86				95	100		
<i>Proteus mirabilis</i>	90	81		98	100	88	96		98	99	100	100						99		86	R	98	98		
<i>Citrobacter freundii</i> ^{2 †}	27	R		30	85	R	R		78	99	100	100						78		67	100	85	85		
<i>Citrobacter koseri</i> ^{2 †}	20	R		100	100	90	80		100	100	100	100						100		100	95	100	100		

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GRAM-POSITIVE BACTERIA																									
<i>Staphylococcus aureus</i> , all																									
- methicillin-susceptible (MSSA)	59			100											83		81	98	86	91	98	100	100		100
- methicillin-resistant (MRSA) †	14	R	R	R	R	R	R	R	R	R	R	R	R	R	50		R	100	R	R	93	100	93		100
<i>Staphylococcus epidermidis</i> †	22			27											57		57		R	R	50	100	81		100
<i>Enterococcus faecalis</i> , urine	506		100				R	R	R	R	R						R	R	69	71		99			100
<i>Enterococcus faecium</i> , urine	169	R					R	R	R	R	R							50	R	R		35			89

R - intrinsically resistant or less than 25% empiric susceptibility

† Isolates containing less than 30 reported specimens should be interpreted using presented data ALONG WITH clinical judgement and/or input from infectious diseases service

¹ 8.8 % of E.coli (n=90) and 9.0 % of K.pneumoniae (n=23) were +ESBL (extended spectrum beta-lactamase)

²these organisms may produce inducible beta-lactamase (AmpC) enzymes. Use of beta-lactams can result in clinical failure despite in vitro susceptibility

³ susceptibility to gentamicin in gram positive organisms refers to combination synergy treatment only