

ELKHART COUNTY, IN
SUSCEPTIBILITY PATTERNS OF COMMON NON-URINE ISOLATES
January to December 2015

(%) Represents the percent susceptible

(-) Test not performed or antibiotic not indicated for organism

ORGANISMS COUNTED First isolate per patient per year	MRSA ^{1,2}	<i>Staphylococcus aureus</i> ²	Coagulase neg <i>Staphylococcus</i>	<i>Enterococcus</i> ^{3,4}	<i>Streptococcus pneumoniae</i> ^{5,6}	<i>Escherichia coli</i>	<i>Pseudomonas aeruginosa</i>	<i>Proteus mirabilis</i>	<i>Klebsiella pneumoniae</i>	<i>Enterobacter cloacae</i>
No. of isolates (1,229)	(334)	(310)	(62)	(149)	(33)	(113)	(113)	(40)	(38)	(37)
ANTIMICROBIALS	%	%	%	%	%	%	%	%	%	%
AMIKACIN	-	-	-	-	-	100	99	100	97	-
AMPICILLIN	-	-	-	89	-	51	-	92	-	-
AMP/SULBACTAM	-	-	-	-	-	69	-	97	91	-
CEFAZOLIN	-	100	41	-	-	89	-	98	92	-
CEFOXITIN	-	-	-	-	-	94	-	97	94	-
CEFTAZIDIME	-	-	-	-	-	93	98	98	92	100
CEFTRIAZONE	-	-	-	-	100	93	-	98	92	100
CLINDAMYCIN	75	86	65	-	-	-	-	-	-	-
ERYTHROMYCIN	-	68	31	-	71	-	-	-	-	-
GENTAMICIN	-	-	-	-	-	93	97	85	92	97
LEVOFLOXACIN	60	95	70	-	100	75	78	79	92	97
OXACILLIN	-	100	43	-	-	-	-	-	-	-
PENICILLIN	-	16	13	88	96	-	-	-	-	-
PIP/TAZOBACTAM	-	-	-	-	-	99	92	100	92	97
TETRACYCLINE	93	94	88	-	85	-	-	-	-	-
TOBRAMYCIN	-	-	-	-	-	94	97	97	89	97
TRIMETH/SULFA	94	99	74	-	89	69	-	70	89	87
VANCOMYCIN	100	100	100	91	100	-	-	-	-	-

¹ 51% of all *Staphylococcus aureus* are MRSA.

² 10% of MRSA and 12% of *Staphylococcus aureus* other than MRSA have inducible clindamycin resistance.

³ 9% of *Enterococcus* are VRE; 33% of VRE are ampicillin susceptible.

⁴ Synergy with penicillin and high levels of gentamicin or streptomycin is likely for 80% and 79% of *Enterococcus* respectively.

⁵ Oral penicillin and *Streptococcus pneumoniae*: 24% of all from non-sterile sites are intermediate (20%) or resistant (4%)

⁶ IV penicillin and *Streptococcus pneumoniae*: 4% of all from non-sterile sites are intermediate (4%) or resistant (0%)

⁷ 52% of Group B *Streptococcus* from vaginal/rectal sources are susceptible to clindamycin.



Your Laboratory Experts

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Microbiology Department

Susceptibility Patterns
 of Common Organisms
 Isolated from
 Elkhart County

January-December 2015

**ELKHART COUNTY, IN
SUSCEPTIBILITY PATTERNS OF-URINE ISOLATES
January to December 2015**

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PATIENT LOCATION	ORGANISMS COUNTED First isolate per patient per year	<i>Escherichia coli</i>	<i>Klebsiella pneumoniae</i>	<i>Enterococcus</i>	<i>Proteus mirabilis</i>	<i>Pseudomonas aeruginosa</i>	<i>Enterobacter cloacae</i>
OP	No. of isolates (2,231)	(1,598)	(267)	(162)	(92)	(80)	(32)
OP	ANTIMICROBIALS	%	%	%	%	%	%
OP	AMPICILLIN	59	-	88	84	-	-
OP	AMP/SULBACTAM	67	92	-	90	-	-
OP	CEFAZOLIN	92	97	-	96	-	-
OP	LEVOFLOXACIN	82	99	71	71	81	97
OP	NITROFURANTOIN	96	34	88	-	-	66
OP	PENICILLIN	-	-	86	-	-	-
OP	TETRACYCLINE	-	-	23	-	-	-
OP	TRIMETH/SULFA	82	93	-	75	-	94
IP	No. of isolates (1,639)	(1,125)	(198)	(145)	(79)	(59)	(33)
IP	AMPICILLIN	55	-	79	84	-	-
IP	AMP/SULBACTAM	62	90	-	90	-	-
IP	CEFAZOLIN	92	97	-	99	-	-
IP	LEVOFLOXACIN	84	99	61	57	78	100
IP	NITROFURANTOIN	95	37	81	-	-	49
IP	PENICILLIN	-	-	79	-	-	-
IP	TETRACYCLINE	-	-	21	-	-	-
IP	TRIMETH/SULFA	77	94	-	71	-	94

**SUSCEPTIBILITY TESTING
BY SOURCE GROUP**

Abscess (284)

MRSA (46%)
Staphylococcus aureus (27%)
Escherichia coli (8 %)

Blood (1,233)

Escherichia coli (29 %)
Staphylococcus aureus (14%)
MRSA (13%)
Enterococcus sp. (12%)

Sterile Body Fluids (60)

Coagulase Neg *Staphylococcus* (40%)
Enterococcus sp. (15%)
MRSA (12%)
Staphylococcus aureus (10%)

Lower Respiratory (167)

Pseudomonas aeruginosa (35%)
MRSA (23%)
Staphylococcus aureus (16%)
Streptococcus pneumoniae (12%)

Tissue (104)

Coagulase Neg *Staphylococcus* (25%)
Enterococcus sp. (20%)
MRSA (19%)
Staphylococcus aureus (10%)

Wound/skin (713)

MRSA (27%)
Staphylococcus aureus (27%)
Enterococcus sp. (14 %)
Pseudomonas aeruginosa (8 %)

Urine (2,437)

Escherichia coli (65 %)
Klebsiella pneumoniae (11%)
Enterococcus sp. (7%)
Proteus mirabilis (4%)