

**ELKHART COUNTY, IN
SUSCEPTIBILITY PATTERNS OF COMMON NON-URINE ISOLATES
January to December 2016**

(%) 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>Klebsiella pneumoniae</i>	<i>Proteus mirabilis</i>	<i>Enterobacter cloacae</i>
No. of isolates (1,402)	(325)	(327)	(76)	(155)	(36)	(149)	(143)	(58)	(45)	(40)
ANTIMICROBIALS	%	%	%	%	%	%	%	%	%	%
AMIKACIN	-	-	-	-	-	100	98	-	-	-
AMPICILLIN	-	-	-	92	-	44	-	-	84	-
AMP/SULBACTAM	-	-	-	-	-	55	-	88	93	-
CEFAZOLIN	-	100	58	-	-	85	-	93	93	-
CEFOXITIN	-	-	-	-	-	82	-	91	93	-
CEFTAZIDIME	-	-	-	-	-	90	94	97	96	93
CEFTRIAZONE	-	-	-	-	100	90	-	97	95	93
CLINDAMYCIN	80	83	72	-	89	-	-	-	-	-
ERYTHROMYCIN	-	66	48	-	67	-	-	-	-	-
GENTAMICIN	-	-	-	-	-	91	92	98	93	100
LEVOFLOXACIN	53	88	65	-	97	71	83	91	84	100
OXACILLIN	-	100	58	-	-	-	-	-	-	-
PENICILLIN	-	-	-	92	100	-	-	-	-	-
PIP/TAZOBACTAM	-	-	-	-	-	93	88	93	100	89
TETRACYCLINE	94	97	91	-	89	-	-	-	-	-
TOBRAMYCIN	-	-	-	-	-	91	98	97	93	100
TRIMETH/SULFA	96	100	72	-	67	70	-	95	82	93
VANCOMYCIN	100	100	100	92	100	-	-	-	-	-

¹ 50% of all *Staphylococcus aureus* are MRSA.

² 8% of MRSA and 12% of *Staphylococcus aureus* other than MRSA have inducible clindamycin resistance.

³ 8% of *Enterococcus* are VRE; 33% of VRE are ampicillin susceptible.

⁴ Synergy with penicillin and high levels of gentamicin or streptomycin is likely for 83% and 84% of *Enterococcus* respectively.

⁵ Oral penicillin and *Streptococcus pneumoniae*: 38% of all from non-sterile sites are intermediate (33%) or resistant (5%)

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

⁷ 48% 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

January-December 2016

ELKHART COUNTY, IN
SUSCEPTIBILITY PATTERNS OF-URINE ISOLATES
January to December 2016

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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>Klebsiella oxytoca</i>
OP	No. of isolates: 1883	(1345)	(222)	(136)	(76)	(41)	(32)
OP	ANTIMICROBIALS	%	%	%	%	%	%
OP	AMPICILLIN	59	-	95	86	-	-
OP	AMP/SULBACTAM	66	88	-	93	-	66
OP	CEFAZOLIN	93	97	-	99	-	66
OP	LEVOFLOXACIN	84	100	80	83	83	100
OP	NITROFURANTOIN	97	39	96	-	-	88
OP	PENICILLIN	-	-	95	-	-	-
OP	TETRACYCLINE	-	-	26	-	-	-
OP	TRIMETH/SULFA	79	95	-	82	-	100
IP	No. of isolates (1,910)	(1317)	(235)	(138)	(85)	(65)	-
IP	AMPICILLIN	55	-	88	87	-	-
IP	AMP/SULBACTAM	64	90	-	96	-	-
IP	CEFAZOLIN	92	96	-	99	-	-
IP	LEVOFLOXACIN	82	99	64	61	69	-
IP	NITROFURANTOIN	97	46	88	-	-	-
IP	PENICILLIN	-	-	86	-	-	-
IP	TETRACYCLINE	-	-	25	-	-	-
IP	TRIMETH/SULFA	79	96	-	74	-	-

SUSCEPTIBILITY TESTING
BY SOURCE GROUP

Abscess

MRSA (42%)
Staphylococcus aureus (29%)
Escherichia coli (8%)
Enterococcus sp. (7%)

Blood

Escherichia coli (21%)
Staphylococcus aureus (10%)
 Coagulase Neg *Staphylococcus* (7%)
Enterococcus sp. (7%)

Sterile Body Fluids

Coagulase Neg *Staphylococcus* (23%)
Staphylococcus aureus (19%)
Escherichia coli (14%)
 MRSA (9%)

Lower Respiratory

Pseudomonas aeruginosa (30%)
 MRSA (13%)
Staphylococcus aureus (13%)
Streptococcus pneumoniae (9%)

Tissue

Coagulase Neg *Staphylococcus* (24%)
Staphylococcus aureus (20%)
Enterococcus sp. (9%)
 MRSA (9%)
Pseudomonas aeruginosa (6%)

Wound/skin

Staphylococcus aureus (23%)
 MRSA (21%)
Enterococcus sp. (15%)
Pseudomonas aeruginosa (9%)

Urine

Escherichia coli (64%)
Klebsiella pneumoniae (11%)
Enterococcus sp. (7%)
Proteus mirabilis (4%)