

Antibiogram: American Health Associates /Southern Ohio, Kentucky and Indiana Regions

ANTIBIOTIC SUSCEPTIBILITY OF COMMON ORGANISMS°

Data are Percent (%) Susceptibility at Breakpoint

Urinary	Total Isolates	Amikacin	Amox/K Clav	Ampicillin	Ampicillin/sulbactam	Aztreonam	Cefazolin	Cefepime	Ceftazidime	Cefuroxime	Ceftioxone	Ciprofloxacin	Ertapenem	Gentamicin	Imipenem	Levofloxacin	Linezolid	Meropenem	Nitrofurantoin	Oxacillin	Trimethoprim/Sulfa	Vancomycin	
		Gram Negatives																					
<i>Acinetobacter baumannii</i>	44	73			73			55	52			45		61								48	
<i>Citrobacter freundii</i>	462	99	0	0	0		0	97		0	72	83	99	92	84	88				87		81	
<i>Enterobacter aerogenes</i>	208	98	0	0	0		0	97		0	74	83	98	94	72	87				12		86	
<i>Enterobacter cloacae</i>	478	99	0	0	0		0	84		0	53	76	97	89	86	82				22		77	
<i>Escherichia coli</i>	9327	99	71	43	51		96	99		89	97	47	99	89	94	48				90		64	
<i>Escherichia coli</i> ESBL	2177	97	45	0	16		0	0		0	0	4	100	63	99	4				77		33	
<i>Klebsiella pneumoniae</i>	2752	99	85	0	82		95	99		91	97	94	99	98	87	95				39		90	
<i>Klebsiella pneumoniae</i> ESBL	265	97	35	0	7		0	0		0	0	23	96	46	92	43				22		20	
<i>Morganella morganii</i>	523	99	0	0	17		0	95		0	65	28	100		23					0		39	
<i>Pseudomonas aeruginosa</i>	1429	95				73		95	86			28		78	64	64							
<i>Proteus mirabilis</i>	3914	99	92	73	90		99	99		97	99	30	100	77		40				0		44	
<i>Proteus mirabilis</i> ESBL	83	100	66	0	42		0	0		0	0	7	100	45		13				0		22	
<i>Providencia stuartii</i>	571	99	0	0	24		0	97		40	81	9	100	0	44	17				0		63	
<i>Serratia marcescens</i>	86	100	0	0	0		0	97		0	64	84	100	97	84	90				0		93	
Gram Positives																							
Coagulase Negative Staph	67		31									34		70			100			100	31	48	100
<i>Enterococcus faecalis</i>	4816			99								41					100			99			100
<i>Enterococcus faecalis</i> VRE	388			95								9					100			81			0
<i>Enterococcus faecium</i>	277			46								23					100			27			100
<i>Enterococcus faecium</i> VRE	582			3								1					100			22			0
MRSA	1602		0									7		89			100			96	0	84	100
<i>Staphylococcus aureus</i>	520		98									46		95			100			98	100	94	100

□ (Blank Field) indicates this antibiotic is not defined by Clinical and Laboratory Standards Institute (CLSI) for this organism.

AHA updates our antibiotic formulary annually based on recommended therapy guidelines and laboratory standards.

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Non-Urinary	Total Isolates	Amikacin	Amox/K Clav	Ampicillin	Ampicillin/sulbactam	Aztreonam	Cefazolin	Cefepime	Ceftazidime	Cefturoxime	Ceftriaxone	Ciprofloxacin	Clindamycin	Ertapenem	Erythromycin	Gentamicin	Imipenem	Levofloxacin	Linezolid	Oxacillin	Penicillin	Piperacillin/tazobactam	Tetracycline	Ticarcillin/Clav	Tobramycin	Trimethoprim/Sulfa	Vancomycin
Gram Negatives																											
<i>Acinetobacter baumannii</i>	102	63			65			39	35							48									47	35	
<i>Citrobacter freundii</i>	35	97	0	0	0		0	97		0	77	83		100		89	81	89				97	71		89	77	
<i>Enterobacter aerogenes</i>	30	100	0	0	0		0	97		0	59	79		97		90	79	79				69	66		86	90	
<i>Enterobacter cloacae</i>	117	98	0	0	0		0	83		0	60	70		96		85	85	76				78	66		81	66	
<i>Escherichia coli</i>	233	99	72	38	42		97	99		90	96	45		100		84	93	46				93	60		83	59	
<i>Escherichia coli</i> ESBL	86	98	38	0	7		0	0		0	0	9		100		69	100	9				83	35		52	26	
<i>Klebsiella pneumoniae</i>	185	98	79	0	76		96	95		88	93	86		96		95	89	88				92	78		92	86	
<i>Klebsiella pneumoniae</i> ESBL	41	93	34	0	20		0	0		0	0	22		95		59	95	44				68	37		34	27	
<i>Morganella morganii</i>	114	99	0	0	10		0	97		0	61	37		100		74	25	53				98	50		88	40	
<i>Pseudomonas aeruginosa</i>	758	96				65		73	78			56				74	53	57				91			92		
<i>Proteus mirabilis</i>	538	99	88	70	88		99	98		94	96	25		99		71		34				99	0		73	41	
<i>Providencia stuartii</i>	113	98	0	0	18		0	97		38	73	0		100		0	27	18				96	0		0	50	
<i>Stenotrophomonas maltophilia</i>	30																	80								93	
<i>Serratia marcescens</i>	83	100	0	0	0		0	95		0	66	73		99		96	83	96				82	29		89	77	
Gram Positives																											
<i>Enterococcus faecalis</i>	586			100								41							100		100						100
<i>Enterococcus faecalis</i> VRE	51			96								10							100		96						0
<i>Enterococcus faecium</i>	17			47								35							100		41						100
<i>Enterococcus faecium</i> VRE	39			0								0							100		0						0
MRSA	1023		0									9	39		12	89		11	100	0	0		80			85	100
<i>Staphylococcus aureus</i>	341		96									54	65		46	94		57	100	100	13		89			95	100

□ (Blank Field) indicates this antibiotic is not defined by Clinical and Laboratory Standards Institute (CLSI) for this organism.

AHA updates our antibiotic formulary annually based on recommended therapy guidelines and laboratory standards.

Collection Time Frame

May- October 2016

**ANTIBIOGRAM: AMERICAN HEALTH ASSOCIATES
NORTHERN OHIO REGIONAL REPORT**

ANTIBIOTIC SUSCEPTIBILITY OF COMMON ORGANISMS*

Data are Percent (%) Susceptible at Breakpoint

Urinary	Total Isolates	Amikacin	Amox/K Clav	Ampicillin	Ampicillin/sulbactam	Aztreonam	Cefazolin	Cefepime	Ceftazidime	Cefuroxime	Ceftriaxone	Ciprofloxacin	Ertapenem	Gentamicin	Imipenem	Levofloxacin	Linezolid	Meropenem	Nitrofurantoin	Oxacillin	Penicillin	Piperacillin/tazobactam	Tetracycline	Tobramycin	Trimethoprim/Sulfa	Vancomycin
		Gram Negatives																								
<i>Acinetobacter baumannii</i>	36	69	0					61	58		28	53		67		53							14	64	11	
<i>Citrobacter freundii</i>	136	99	0	0	0		0	99	80	0	74	88	98	91	98	89			93			96	80	90	82	
<i>Enterobacter aerogenes</i>	67	93	0	0	0		0	85	63	0	46	76	88	81	64	78			28			78	66	82	81	
<i>Enterobacter cloacae</i>	128	98	0	0	0		0	87	70	0	54	75	73	91	86	79			20			79	63	91	76	
<i>Escherichia coli</i>	2565	99	83	99	52		98	99	99	92	98	53	98	90	99	54			94			96	71	90	67	
<i>Escherichia coli</i> ESBL	582	91	61	0	29		0	0	0	0	0	9	92	71	96	10			87			91	31	54	25	
<i>Klebsiella pneumoniae</i>	764	99	95	0	88		97	99	99	93	98	92	98	98	99	95			47			99	86	97	90	
<i>Klebsiella pneumoniae</i> ESBL	161	83	27	0	10		0	0	0	0	0	16	71	49	76	29			20			52	35	24	20	
<i>Morganella morganii</i>	153	98	0	0	26		0	93	85	0	73	27	92	77	28	39			0			98	0	90	37	
<i>Pseudomonas aeruginosa</i>	343	95						89	89			66		81	79	65						97		92		
<i>Proteus mirabilis</i>	924	98	93	63	87		99	99	99	95	96	37	98	92		49			0			99	0	94	56	
<i>Proteus mirabilis</i> ESBL	78	64	79	0	65		0	0	0	0	0	19	54	46		27			0			95	0	47	36	
<i>Providencia stuartii</i>	170	99	0	0	35		0	96	93	62	89	27	94	0	54	39			0			99	0	0	77	
Gram Positives																										
Coagulase Negative Staph	55		44	0	44						44	24		89		22	100		93	44	0		76		60	100
<i>Enterococcus faecalis</i>	635			97								45				47	96		98		96		21			90
<i>Enterococcus faecium</i>	104			21								3				3	97		56		14		12			31
MRSA	150		0	0	0						0	1		95		2	100		99	0	0		76		93	100
<i>Staphylococcus aureus</i>	73		100	0	100						99	26		97		29	100		99	100	0		79		100	100

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Collection Time Frame
May- October 2016

**ANTIBIOGRAM: AMERICAN HEALTH ASSOCIATES
NORTHERN OHIO REGIONAL REPORT**

ANTIBIOTIC SUSCEPTIBILITY OF COMMON ORGANISMS*

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Non-Urinary Gram Negatives	Total Isolates	Amikacin	Amox/K Clav	Ampicillin	Ampicillin/sulbactam	Aztreonam	Cefazolin	Cefepime	Ceftazidime	Cefuroxime	Ceftriaxone	Ciprofloxacin	Clindamycin	Ertapenem	Erythromycin	Gentamicin	Imipenem	Levofloxacin	Linezolid	Meropenem	Oxacillin	Penicillin	Piperacillin/tazobactam	Tetracycline	Ticarcillin/Clav	Tobramycin	Trimethoprim/Sulfa	Vancomycin
<i>Acinetobacter baumannii</i>	72	47	0		46			29	21		10	12				72		14						21		36	25	
<i>Enterobacter cloacae</i>	60	98	0	0	0		0	87	72	0	58	78		75		90	88	90					85	73		85	60	
<i>Escherichia coli</i>	180	100	79	44	51		100	100	100	91	97	55		98		93	99	57					94	67		92	69	
<i>Escherichia coli</i> ESBL	55	95	51	0	27		0	0	0	0	0	15		84		55	93	22					82	29		55	31	
<i>Klebsiella pneumoniae</i>	94	100	94	0	82		98	91	98	90	94	91		94		97	96	95					98	66		96	89	
<i>Klebsiella pneumoniae</i> ESBL	35	71	23	0	9		0	0	0	0	0	17		51		54	66	23					49	46		34	20	
<i>Morganella morganii</i>	42	95	0	0	7			95	79	0	67	33		86		62	36	42					93	0		71	33	
<i>Pseudomonas aeruginosa</i>	222	95							82			67																
<i>Proteus mirabilis</i>	279	97	88	60	82		100	99	99	93	100	35		96		86		54					100	0		89	59	
<i>Proteus mirabilis</i> ESBL	61	59	70	0	51		0	0	0	0	0	8		56		38		15					85	0		38	36	
<i>Providencia stuartii</i>	41	100	0	0	24		0	95	78	41	78	20		88		0	49	32					93	0		0	61	
<i>Serratia marcescens</i>	32	100	0	0	0			88	78	0	44	59		66		97	72	66					62	9		81	88	
Gram Positives																												
Coagulase Negative Staph	73		22	0	22						22	23	51		21	58		25	100		22	0		74			41	100
<i>Enterococcus faecalis</i>	170			96								43			15			44	96			95		15				88
MRSA	379		0	0	0						0	9	39		11	91		10	99		0	0		70			89	100
<i>Staphylococcus aureus</i>	162		94	0	94						95	61	59		43	94			100		100	0		90			99	100

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ANTIBIOGRAM: AMERICAN HEALTH ASSOCIATES
ST. LOUIS REGION

ANTIBIOTIC SUSCEPTIBILITY OF COMMON ORGANISMS°

Data are Percent (%) Susceptibility at Breakpoint

Urinary	Total Isolates	Gram Negatives																				
		Amikacin	Amox/K Clav	Ampicillin	Ampicillin/sulbactam	Aztreonam	Cefazolin	Cefepime	Ceftazidime	Cefuroxime	Ceftriaxone	Ciprofloxacin	Ertapenem	Gentamicin	Imipenem	Levofloxacin	Linezolid	Nitrofurantoin	Oxacillin	Trimethoprim/Sulfa	Vancomycin	
<i>Acinetobacter baumannii</i>	20	100			25			70	80			60		70						20		
<i>Citrobacter freundii</i>	88	100	0	0	0		0	100		0	66	71	96	92	92	71		79		79		
<i>Enterobacter aerogenes</i>	28	100	0	0	0		0	96		0	71	71	100	89	93	68		50		61		
<i>Enterobacter cloacae</i>	85	96	0	0	0		0	87		0	45	68	74	88	93	74		38		66		
<i>Escherichia coli</i>	1900	99	85	43	53		98	99		92	97	48	99	88	99	49		95		65		
<i>Escherichia coli</i> ESBL	472	98	76	0	28		0	0		0	0	6	99	76	99	7		87		32		
<i>Klebsiella pneumoniae</i>	496	99	96	0	90		98	99		96	98	96	99	99	99	97		62		92		
<i>Klebsiella pneumoniae</i> ESBL	47	91	49	0	6		0	0		0	0	32	100	38	100	70		26		6		
<i>Morganella morganii</i>	99	98	0	0	21		0	98		0	83	33	98	74	38	42		0		30		
<i>Pseudomonas aeruginosa</i>	200	96				86		90	96			75		81	90	74						
<i>Proteus mirabilis</i>	897	99	97	75	85		99	99		98	98	30	99	87		41		0		47		
<i>Proteus mirabilis</i> ESBL	28	100	93	0	75		0	0		0	0	18	100	68		25		0		25		
<i>Providencia stuartii</i>	74	99	0	0	24		0	97		55	89	18	99	0	72	22		0		70		
Gram Positives																						
<i>Enterococcus faecalis</i>	412			99								41						100			100	
<i>Enterococcus faecalis</i> VRE	74			89								5						100			0	
<i>Enterococcus faecium</i>	17			35								12						100			100	
<i>Enterococcus faecium</i> VRE	52			6								0						100			0	
MRSA	123		0									2		82				100	100	0	86	100
<i>Staphylococcus aureus</i>	30		100									43		90				100	100	100	100	100

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MARYLAND/D.C. REGIONAL REPORT**

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Urinary	Total Isolates	Gram Negatives																								
		Amikacin	Amox/K Clav	Ampicillin	Ampicillin/sulbactam	Aztreonam	Cefazolin	Cefepime	Ceftazidime	Cefuroxime	Ceftriaxone	Ciprofloxacin	Ertapenem	Gentamicin	Imipenem	Levofloxacin	Linezolid	Meropenem	Nitrofurantoin	Oxacillin	Penicillin	Piperacillin/tazobactam	Tetracycline	Tobramycin	Trimethoprim/Sulfa	Vancomycin
<i>Citrobacter freundii</i>	8	100	12	0	75		0	100		0	75	88	100	100	75	88			100			75	100	88	88	
<i>Enterobacter aerogenes</i>	3	100	0	0	33		0	100		0	67	100	100	100	100	100			0			100	100	100	100	
<i>Enterobacter cloacae</i>	12	92	0	0	25		0	75		0	25	58	67	67	83	67			17			50	67	83	67	
<i>Escherichia coli</i>	207	100	83	42	52		96	99		90	96	52	100	87	100	52			93			97	70	87	73	
<i>Escherichia coli</i> ESBL	51	98	63	0	31		0	0		0	0	12	98	84	98	12			84			90	45	80	31	
<i>Klebsiella pneumoniae</i>	73	100	92	0	88		95	100		89	96	95	100	100	99	96			47			99	82	99	88	
<i>Klebsiella pneumoniae</i> ESBL	17	76	29	0	12		0	0		0	0	12	100	71	100	18			24			53	24	65	24	
<i>Morganella morganii</i>	13	100	8	0	15		0	100		23	100	46	100		62				0			100	8	92	31	
<i>Pseudomonas aeruginosa</i>	24	100				88		88	88			83		92	83	83						96		100		
<i>Proteus mirabilis</i>	68	100	96	75	94		95	100		94	94	44	99	96		57			0			100	3	97	59	
<i>Proteus mirabilis</i> ESBL	1	100	100	0	100		0	0		0	0	0	100	0		0			0			100	0	0	0	
<i>Providencia stuartii</i>	20	95	25	0	40		0	90		45	80	20	100	0	90	20			0			100	2	0	75	
Gram Positives																										
Coagulase Negative	41		40									25		80			100		100	25	25		85		53	100
<i>Enterococcus faecalis</i>	98			99								55					100		100		99		30			100
<i>Enterococcus faecalis</i>	28			85								15					100		98		95		12			0
<i>Enterococcus faecium</i>	42			52								40					100		38		32		44			100
<i>Enterococcus faecium</i> VRE	76			3								0					100		31		1		18			0
MRSA	112		0									3		82			100		89	0	0		85		85	100
<i>Staphylococcus aureus</i>	72		100									25		75			100		98	100	26		90		94	100

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		<i>Citrobacter freundii</i>	3	100	33	0	0		0	100		0	100	100		100		100	100	100					100	100		100	100
<i>Enterobacter cloacae</i>	9	89	0	0	56		0	89		56	78	89		89		89	56	100					100	89		89	89		
<i>Escherichia coli</i>	18	100	83	44	56		100	100		100	100	44		100		89	100	44					100	67		78	72		
<i>Escherichia coli</i> ESBL	6	83	50	0	33		0	0		0	0	0		100		33	100	0					100	50		17	83		
<i>Klebsiella pneumoniae</i>	13	100	85	0	62		100	100		92	100	77		100		100	100	85					77	62		100	92		
<i>Klebsiella pneumoniae</i> ESBL	10	100	20	0	10		0	0		0	0	0		90		30	100	0					70	10		30	0		
<i>Morganella morganii</i>	6	100	50	0	33		0	67		17	67	0		83		67	33	17					100	33		67	50		
<i>Pseudomonas aeruginosa</i>	151	95				65		59	70			46				62	65	45					82			86			
<i>Proteus mirabilis</i>	36	97	94	76	91		96	100		97	100	30		100		82		42					100	0		82	58		
<i>Providencia stuartii</i>	28	100	0	0	21		0	71		29	50	0		96		0	64	4					93	0		0	57		
<i>Stenotrophomonas maltophilia</i>	14								29									86									93		
<i>Serratia marcescens</i>	6	100	0	0	17		0	100		0	33	67		100		100	83	67					83	0		100	83		
Gram Positives																													
<i>Enterococcus faecalis</i>	11			100								27							100			100							100
<i>Enterococcus faecalis</i> VRE	2			100								0							100			100							0
<i>Enterococcus faecium</i>	6			20								0							100			20							100
<i>Enterococcus faecium</i> VRE	15			0								0							100			0							0
MRSA	33		0									6	36		6	82		6	100		0	0		70			88	100	
<i>Staphylococcus aureus</i>	11		82									64	73		73	82		64	100		100	27		100			100	100	

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