Blood Isolates — % Susceptible

Blood Isolates — % Susceptible																							
≥80% Susceptible 70-79% Susceptible ≤69% Susceptible	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	linezolid
ALL BACTERIA	443	_	6	15		37	45	37		24	44							52					
																							Ë
ALL GRAM-NEGATIVE BACTERIA	149	100	9	36		63	96	68		28	49	60				60		57	87	86	96		
Escherichia coli	61	41	18	54		62	100	98		38	69	69				46		49	82	80	98		
Pseudomonas aeruginosa	22	15				95	95					95				86			91	91	100		
Klebsiella pneumoniae	21	14	0	86		86	100	100		86	95	95				86		81	86	90	100		
Stenotrophomonas maltophilia ʻ	17	11															94	100					
Enterobacter cloacae	12	8	0	0		0	100	92		0	0	0				75		75	92	83	92		
Citrobacter freundii	5	3	0	0		0	100	100		0	0	0				100		100	100	100	100		
ALL GRAM-POSITIVE BACTERIA	294	100	4	4	2	24	22	22	20	22	42		57	33				49				96	
Coagulase-negative staphylococci	159	54				22	22	22	22	22			67	33	93			52				100	100
Viridans group streptococci°	61	21									98											100	
Enterococcus faecium, all isolates	33	11	0	0		0																70	
- vancomycin-susceptible	23	8	0	0		0																100	
- vancomycin-resistant (VRE)	10	3	0	0		0																0	10
- vancomycin-susceptible (vanA+)	0	0																					
Staphyloccocus aureus, all isolates	29	10				86	86	86	86	86			80	72	96			100				100	10
- methicillin-susceptible	26	9				96	96	96	96	96			81	77	96			100				100	10
- methicillin-resistant (MRSA)	3	1				0	0	0	0	0			67	33	100			100				100	10
Enterococcus faecalis, all isolates	6	2	100	100		100																100	
- vancomycin-susceptible	6	2	100	100		100																100	
- vancomycin-resistant (VRE)	0	0																					Γ

General Notes:

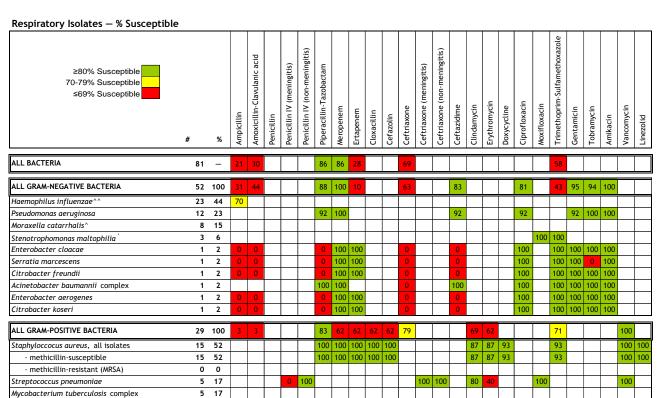
- > Statistical validity of estimates of percent susceptibility for organisms for which there are fewer than 30 isolates reported is limited. Please take this into consideration when interpreting the reported results.
- > Some organisms for which there were only very small numbers have been excluded from this report; however the total number of "ALL BACTERIA", "ALL GRAMNEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" listed includes these organisms.
- > Reported susceptibilities for "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" reflect estimates only based on the weighted average of susceptibilities for all organisms included on this report as well as those that have been excluded, with assumptions made for those drugs for which
- > Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

Year-Specific Notes:

> Only a limited number of coagulase negative staphylococci isolates were tested for susceptibilities. The vast majority of coagulase-negative staphylococci are susceptible to vancomycin. If you have any questions, please contact the UHN/MSH Department of Microbiology.

Organism-Specific Notes:

- * Viridans group streptococci: Please note that only a small proportion of these isolates were tested for susceptibilities. Please take this into consideration when interpreting the reported results.
- $\hbox{` S. } \textit{maltophilia}: \ \ \text{Susceptibility to moxiflox} \textit{acin was predicted based on levoflox} \textit{acin susceptibility testing results}.$



General Notes:

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- \succ Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

Year-Specific Notes:

 ${\color{red}\succ} \ {\color{blue} Susceptibility} \ for \ cefazolin \ are \ not \ available \ for \ Gram-negative \ isolates \ from \ non-sterile \ site \ specimens \ for \ the \ current \ year.$

Organism-Specific Notes:

- ^ M. catarrhalis: Susceptibility testing is not routinely performed. Most isolates are resistant to ampicillin and amoxicillin but are generally susceptible to other antibiotics commonly used for respiratory infections.
- ^^ H. influenzae and H. parainfluenzae: Susceptibility to ampicillin was determined using beta-lactamase testing. Beta-lactamase-positive isolates are resistant to ampicillin but are generally susceptible to amoxicillin-clavulanic acid and cefuroxime.
- S. maltophilia: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

Skin. Wound and Abscess Isolates — % Susceptible

Skin, wound and Abscess isolates –	70 Just	CPCIL	<i>,</i> ,,,,																				
≥80% Susceptible 70-79% Susceptible ≤69% Susceptible	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
ALL BACTERIA	172	_	6	13		78	84	70			64							73					_
ALL DACILINA	172		U	13		70	0-7	70			04							13					
ALL GRAM-NEGATIVE BACTERIA	64	100	9	28		67	90	53			34	69				81		49	90	90	98		
Pseudomonas aeruginosa	25	39				92	80					92				88			92	92	100		$\overline{}$
Escherichia coli	11	17	27	64		70	100	100			91	91				64		64	82	91	100		
Enterobacter cloacae	6	9	0	0		0	100	83			0	0				83		83	100	100	100		
Klebsiella pneumoniae	5	8	0	80		80	100	100			80	80				80		80	80	80	100		
Klebsiella oxytoca	5	8	0	80		80	100	100			80	80				100		100	100	100	100		
ALL GRAM-POSITIVE BACTERIA	108	100	5	5	1	84	81	81	80	81	81		66	65				87				100	
Staphyloccocus aureus, all isolates	92	85				92	92	92	92	92			76	74	93			97				100	100
- methicillin-susceptible	85	79				100	100	100	100	100			76	75	94			98				100	100
- methicillin-resistant (MRSA)	7	6				0	0	0	0	0			71	57	86			86				100	100
Coagulase-negative staphylococci	7	6				14	14	14	14	14			14	14	86			57				100	100
Enterococcus faecium, all isolates	4	4	0	0		0																100	
- vancomycin-susceptible	4	4	0	0		0																100	
- vancomycin-resistant (VRE)	0	0																					
- vancomycin-susceptible (vanA+)	0	0																					
Enterococcus faecalis, all isolates	4	4	100	100		100																100	
- vancomycin-susceptible	4	4	100	100		100																100	
- vancomycin-resistant (VRE)	0	0																					
Group B streptococci**	1	1			100								100	100								100	l

General Notes:

- > Statistical validity of estimates of percent susceptibility for organisms for which there are fewer than 30 isolates reported is limited. Please take this into consideration when interpreting the reported results.
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- \succ Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

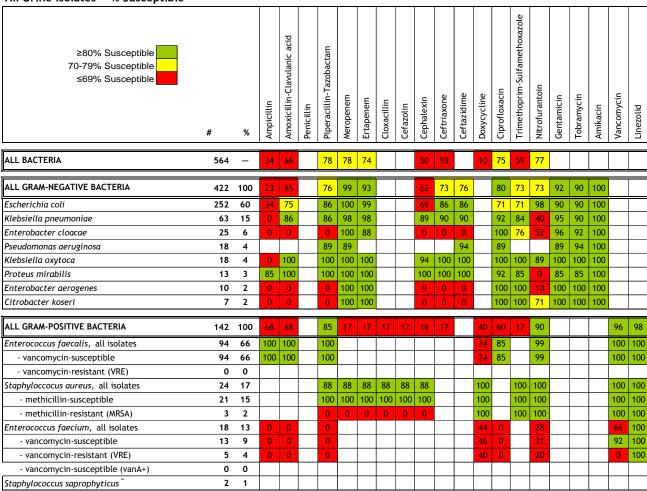
Year-Specific Notes:

> Susceptibility for cefazolin are not available for Gram-negative isolates from non-sterile site specimens for the current year.

Organism-Specific Notes:

** Beta-hemolytic streptococci: Susceptibilty testing to penicillin is not routinely performed since resistant strains have not been recognized. All isolates are considered susceptible to penicillin.

All Urine Isolates — % Susceptible



General Notes:

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- > Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

Year-Specific Notes:

Susceptibility for cefazolin are not available for Gram-negative isolates from non-sterile site specimens for the current year.

Organism-Specific Notes:

" S. saprophyticus: Susceptibility testing is not routinely perfomed. Most urinary tract infections due to this organism respond to nitrofurantoin, trimethoprim/sulfamethoxazole or fluoroquinolones.

All Non-Urine Isolates — % Susceptible	e																										
≥80% Susceptible 70-79% Susceptible ≤69% Susceptible	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Penicillin IV (meningitis)	Penicillin IV (non-meningitis)	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftriaxone (meningitis)	Ceftriaxone (non-meningitis)	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
ALL BACTERIA	856	_	7	15				59	66	51			57									64					
ALL GRAM-NEGATIVE BACTERIA	305	100	12	35				70	96	52			46			68				71		53	90	90	97		
Escherichia coli	77	25	21					66	100				74			74				51		53	82	82	99		
Pseudomonas aeruginosa	76	25						91	91							91				91			95	96	100		
Klebsiella pneumoniae	29	10	0	86				86	100	100			93			93				86		83	86	90	100		
Haemophilus influenzae^^	26	9	62	-				-	.00				,,,			,,,				00		- 00	- 00	,,,			
Enterobacter cloacae	23	8	0	0				0	100	87			0			0				83		83	96	91	96		
Stenotrophomonas maltophilia '	22	7																			95	100					
Moraxella catarrhalis^	9	3																									
Klebsiella oxytoca	8	3	0	88				88	100	100			88			88				100		100	100	100	100		
Citrobacter freundii	7	2	0	0				0	100	100			0			0				86		86	100	86	100		
Acinetobacter baumannii complex	6	2						83	83				0			67				67		67	83	83	67		
Serratia marcescens	5	2	0	0				0	100	100			0			0				100		100	100	60	100		
ALL GRAM-POSITIVE BACTERIA	551	100	5	5	2			53	50	50	49	50	62				60	49				70				97	
Staphyloccocus aureus, all isolates	218	40						92	92	92	92	92					76	72	95			98				100	100
- methicillin-susceptible	200	36						100	100	100	100	100					76	74	96			99				100	100
- methicillin-resistant (MRSA)	18	3						0	0	0	0	0					78	44	89			89				100	100
Coagulase-negative staphylococci	198	36						34	34	34	34	34					58	39	92			61				100	100
Enterococcus faecium, all isolates	38	7	0	0				0																		71	
- vancomycin-susceptible	27	5	0	0				0																		100	
- vancomycin-resistant (VRE)	11	2	0	0				0																		0	100
- vancomycin-susceptible (vanA+)	0	0																									
Viridans group streptococci°	63	11											98													100	
Enterococcus faecalis, all isolates	15	3	100	100				100																		100	
- vancomycin-susceptible	15	3	100	100				100																		100	
- vancomycin-resistant (VRE)	0	0																									
Streptococcus pneumoniae	8	1				88	88							100	100		75	50			100					100	
Mycobacterium tuberculosis complex	6	1																									
Group B streptococci**	5	1			100												100	80								100	

General Notes:

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- \triangleright Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

Year-Specific Notes:

 ${\color{red}\succ} \ {\tt Susceptibility} \ {\tt for} \ {\tt cefazolin} \ {\tt are} \ {\tt not} \ {\tt available} \ {\tt for} \ {\tt Gram-negative} \ {\tt isolates} \ {\tt from} \ {\tt non-sterile} \ {\tt site} \ {\tt specimens} \ {\tt for} \ {\tt the} \ {\tt current} \ {\tt year}.$

Organism-Specific Notes:

- ^ M. catarrhalis: Susceptibility testing is not routinely performed. Most isolates are resistant to ampicillin and amoxicillin but are generally susceptible to other antibiotics commonly used for respiratory infections.
- ** Beta-hemolytic streptococci: Susceptibilty testing to penicillin is not routinely performed since resistant strains have not been recognized. All isolates are considered susceptible to penicillin.
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