#### 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	438	_	15	25		48	54	47		35	48							56					П
																						<u>=</u>	<u> </u>
ALL GRAM-NEGATIVE BACTERIA	139	100	8	41		69	98	69		34	56	65				60		61	87	85	94		
Escherichia coli	54	39	17	48		63	100	100		37	72	72				37		54	80	74	98		T
Klebsiella pneumoniae	28	20	0	96		93	100	100		89	96	96				96		93	100	96	100		
Pseudomonas aeruginosa	21	15				76	86					71				67			81	86	100		
Stenotrophomonas maltophilia '	14	10															93	100					
Enterobacter cloacae	7	5	0	0		0	100	86		0	0	0				100		57	86	86	100	<u> </u>	
ALL GRAM-POSITIVE BACTERIA	299	100	18	18	16	39	36	36	20	36	45		36	17				54				96	Г
Coagulase-negative staphylococci	166	56				28	28	28	28	28			42	15	88			62				100	100
Viridans group streptococci°	72	24			61						97											97	
Enterococcus faecium, all isolates	34	11	3	3		3																74	
- vancomycin-susceptible	25	8	4	4		4																100	
- vancomycin-resistant (VRE)	7	2	0	0		0																0	100
- vancomycin-susceptible (vanA+)	2	1	0	0		0																0	100
Staphyloccocus aureus, all isolates	17	6				82	82	82	82	82			65	65	94			100				100	100
- methicillin-susceptible	14	5				100	100	100	100	100			79	79	93			100				100	100
- methicillin-resistant (MRSA)	3	1				0	0	0	0	0			0	0	100			100				100	100
Enterococcus faecalis, all isolates	6	2	100	100		100																100	
- vancomycin-susceptible	6	2	100	100		100																100	
- vancomycin-resistant (VRE)	0	0																				l	

### General Notes:

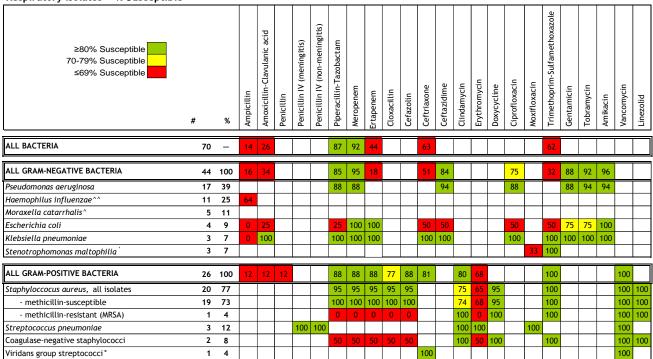
- > Statistical validity of estimates of percent susceptibility for organisms for which there are fewer than 30 isolates reported is limited. Please take this into consideration when interpreting the reported results.
- > Some organisms for which there were only very small numbers have been excluded from this report; however the total number of "ALL BACTERIA", "ALL GRAM-NEGATIVE 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 susceptibilities were not tested.
- $\succ$  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.

- 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.
- $\hbox{` S. } \textit{maltophilia}: \ \ \text{Susceptibility to moxiflox} \textit{acin was predicted based on levoflox} \textit{acin susceptibility testing results}.$

## Respiratory Isolates - % Susceptible



## 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 GRAM-NEGATIVE 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 susceptibilities were not total
- > Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

## Year-Specific Notes:

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

- ^ 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.
- 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.
- ' S. maltophilia: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

Skin, Wound and Abscess Isolates - % Susceptible

Skin, Wound and Abscess Isolates — % Susceptible														_									
≥80% Susceptible 70-79% Susceptible ≤69% Susceptible	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Мегорепет	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
ALL BACTERIA	154	_	11	22		82	86	70			67							74					
																							=
ALL GRAM-NEGATIVE BACTERIA	61	100	12	39		78	97	57			45	80				83		50	95	92	98		İ
Pseudomonas aeruginosa	23	38				91	91					96				91			96	96	96		
Escherichia coli	14	23	43	71		93	100	100			93	93				64		79	93	86	100		
Klebsiella pneumoniae	8	13	0	100		88	100	100			100	100				88		88	100	100	100		
Klebsiella oxytoca	5	8	0	100		100	100	100			100	100				100		80	100	100	100		
Serratia marcescens	2	3	0	0		0	100	100			0	0				100		100	100	50	100		
ALL GRAM-POSITIVE BACTERIA	93	100	11	11	5	84	78	78	73	78	81		70	66				91				99	
Staphyloccocus aureus, all isolates	77	83				88	88	88	88	88			79	74	94			99				100	100
- methicillin-susceptible	68	73				100	100	100	100	100			82	81	96			100				100	100
- methicillin-resistant (MRSA)	9	10				0	0	0	0	0			56	22	78			89				100	100
Enterococcus faecalis, all isolates	5	5	100	100		100																100	
- vancomycin-susceptible	5	5	100	100		100																100	
- vancomycin-resistant (VRE)	0	0																					
Group B streptococci**	3	3			100								33	33								100	
Coagulase-negative staphylococci	2	2				0	0	0	0	0			0	0	100			100				100	100
Enterococcus faecium, all isolates	2	2	0	0		0																50	
- vancomycin-susceptible	1	1	0	0		0																100	
- vancomycin-resistant (VRE)	1	1	0	0		0																0	
- vancomycin-susceptible (vanA+)	0	0																					
Viridans group streptococci°	2	2									100											100	

#### **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.
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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.

- \*\* 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.
- \* 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.



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	490	_	37	68		78	75	72		5	58							59					
ALL GRAM-NEGATIVE BACTERIA	350	100	24	67		74	99	93			74	76				80		75	91	91	99		
Escherichia coli	202	58	35	80		85	100	100		0	88	88				73		72	89	89	100		Ħ
Klebsiella pneumoniae	57	16	0	82		79	100	100		0	89	89				91		84	93	91	100		
Proteus mirabilis	18	5	78	94		94	100	100		0	94	94				83		83	94	94	100		
Enterobacter cloacae	14	4	0	0		0	100	93		0	0	0				93		79	93	93	100		T
Pseudomonas aeruginosa	12	3				75	83					83				92			100	100	100		
Klebsiella oxytoca	12	3	0	83		83	100	100		0	83	83				100		92	92	92	100		
Citrobacter koseri	8	2	0	0		0	100	100		0	0	0				100		100	100	100	100		
Stenotrophomonas maltophilia '	5	1															75	100					
Enterobacter aerogenes	5	1	0	0		0	100	100		0	0	0				100		100	100	100	100		
ALL GRAM-POSITIVE BACTERIA	140	100	69	69		86	18	18	18	18	18		12	12				19				97	
Enterococcus faecalis, all isolates	90	64	100	100		100																100	
- vancomycin-susceptible	90	64	100	100		100																100	
- vancomycin-resistant (VRE)	0	0																					
Staphyloccocus aureus, all isolates	26	19				92	92	92	92	92			66	62	96			100				100	100
- methicillin-susceptible	24	17				100	100	100	100	100			71	67	96			100				100	10
- methicillin-resistant (MRSA)	2	1				0	0	0	0	0			0	0	100			100				100	10
Enterococcus faecium, all isolates	19	14	10	10		10																84	
- vancomycin-susceptible	16	11	12	12		12																100	
- vancomycin-resistant (VRE)	3	2	0	0		0																0	10
- vancomycin-susceptible (vanA+)	0	0																					
Enterococcus species	3	2	100	100		100																100	1

### General Notes:

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

- " S. saprophyticus: Susceptibility testing is not routinely perfomed. Most urinary tract infections due to this organism respond to nitrofurantoin, trimethoprim/sulfamethoxazole or fluoroquinolones.
- $\hbox{` S. } \textit{maltophilia}: \ \ \text{Susceptibility to moxiflox} \textit{acin was predicted based on levofloxacin susceptibility testing results}.$

### All Non-Urine Isolates - % Susceptible

≥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	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
ALL BACTERIA	614	_	16	28				74	81	62			65							64					
																									=
ALL GRAM-NEGATIVE BACTERIA	272	100	10	36				74	98	54			48	72				70		51	90	89	96		
Pseudomonas aeruginosa	78	29						87	92					88				83			90	95	97		
Escherichia coli	76	28	21	53				67	100	99			75	75				43		58	82	76	99		
Klebsiella pneumoniae	37	14	0	97				92	100	100			97	97				95		95	100	97	100		
Stenotrophomonas maltophilia ʻ	17	6																	88	100					
Enterobacter cloacae	15	6	0	0				0	100	93			0	0				100		80	93	93	100		
Haemophilus influenzae^^	12	4	67																						
Moraxella catarrhalis^	7	3																							
Klebsiella oxytoca	6	2	0	100				100	100				100	100				100		83	100		100		
Serratia marcescens	5	2	0	0				0	100	100			0	0				100		100	100	80	100		
ALL GRAM-POSITIVE BACTERIA	342	100	21	21	17			74	68	68	51	68	78		60	56				77				97	
Staphyloccocus aureus, all isolates	195	57						90	90	90	90	90			78	72	94			99				100	100
- methicillin-susceptible	176	51						100	100	100	100	100			82	79	95			99				100	100
- methicillin-resistant (MRSA)	19	6						0	0	0	0	0			37	11	89			95				100	100
Viridans group streptococci°	81	24			60								98											100	
Enterococcus faecium, all isolates	37	11	2	2				2																78	
- vancomycin-susceptible	29	8	3	3				3																100	
- vancomycin-resistant (VRE)	8	2	0	0				0																0	100
<ul> <li>vancomycin-susceptible (vanA+)</li> </ul>	0	0																							
Enterococcus faecalis, all isolates	15	4	100	100				100																100	
- vancomycin-susceptible	15	4	100	100				100																100	
- vancomycin-resistant (VRE)	0	0																							
Group B streptococci**	6	2			100										33	33								100	
Streptococcus pneumoniae	5	1				50	100								80	80			100					100	

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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.

- ^ 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.
- \*\* 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.
- \* 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.
- ' S. maltophilia: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.