### 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	hilozani l
ALL BACTERIA	345		9	17		42	44	41		30	37				1			67					
ALL DACTENIA	343		7	17		42	44	41		30	37							07					<u> </u>
ALL GRAM-NEGATIVE BACTERIA	83	100	7	41		57	92	78		34	42	57				79		66	87	82	99		
Escherichia coli	24	29	25	62		67	96	96		54	67	67				58		62	79	75	100		
Klebsiella pneumoniae	22	27	0	73		73	91	86		59	73	73				82		77	82	77	100		
Pseudomonas aeruginosa	13	16				92	77					92				77			92	100	92		
Serratia marcescens	9	11	0	0		0	100	100		0	0	0				100		100	100	78	100		
Enterobacter cloacae	5	6	0	0		0	100	100		0	0	0				100		100	100	80	100		
ALL GRAM-POSITIVE BACTERIA	262	100	9	9	1	38	29	29	29	29	35		53	31				67				96	
Coagulase-negative staphylococci	181	69				30	30	30	30	30			62	33	85			79				100	10
Staphyloccocus aureus, all isolates	22	8				91	91	91	91	91			77	68	100			95				100	10
- methicillin-susceptible	20	8				100	100	100	100	100			80	75	100			95				100	10
- methicillin-resistant (MRSA)	2	1				0	0	0	0	0			50	0	100			100				100	10
Enterococcus faecium, all isolates	23	9	13	13		13																52	
- vancomycin-susceptible	12	5	25	25		25																100	
- vancomycin-resistant (VRE)	10	4	0	0		0																0	10
- vancomycin-susceptible (vanA+)	1	0	0	0		0																0	10
Enterococcus faecalis, all isolates	18	7	100	100		100																100	
- vancomycin-susceptible	18	7	100	100		100																100	
- vancomycin-resistant (VRE)	0	0																					
Viridans group streptococci°	15	6									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 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.
- $\succ$  ICUs include MSICU, CCU, CVICU.

### 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.

Respiratory Isolates — % Suscepti	ble																									
≥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	Amikacin	Vancomycin	
ALL BACTERIA	383	_	11	24				72	89	53			56									32				Ī
ALL GRAM-NEGATIVE BACTERIA	2/0	400	44	22				7.5	00	20			- 40			7.5				77			07	٥٢		Ŧ
	269	100	14	33				65	90	39			42			65				77			87	95		Ļ
Pseudomonas aeruginosa	82	30			ļ			72	74							79				80			85	90		ļ
Haemophilus influenzae^^	37	14	70																						<u> </u>	ļ
Escherichia coli	32	12	25	50				59	94	94			66			66				66			81	100		
Klebsiella pneumoniae	28	10	0	86				82	100	100			86			86				93			89	100		
Stenotrophomonas maltophilia ʻ	19	7																			89					
Enterobacter cloacae	18	7	0	0				0	94	59			0			0				94			94	100		
Serratia marcescens	15	6	0	0				0	100	100			0			0				100			100	100		Τ
Moraxella catarrhalis^	9	3																								Т
Klebsiella oxytoca	8	3	0	75				62	100	100			88			88				100			100	100		Т
Proteus mirabilis	6	2	67	100				100	100	100			100			100				83			100	100		Т
Acinetobacter baumannii complex	5	2						80	100				20			100				100			80	100		Т
Enterobacter aerogenes	5	2	0	0				0	100	100			0			0				100			100	100		I
ALL GRAM-POSITIVE BACTERIA	114	100	3	3	3			85	85	85	82	85	85				76	71				97			93	Ī
Staphyloccocus aureus, all isolates	108	95						87	87	87	87	87					75	72	98			98			98	
- methicillin-susceptible	94	82						100	100	100	100	100					80	80	98			98			98	1
- methicillin-resistant (MRSA)	14	12	<b>†</b>					0	0	0	0	0					43		100			100			100	+
Streptococcus pneumoniae	5	4				60	60							50	100		100	60			100					f
Mycobacterium tuberculosis complex	1	1	<b>†</b>		1					<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>												<del>                                     </del>	+

### 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.
- > Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.
- $\succ$  ICUs include MSICU, CCU, CVICU.

### Year-Specific Notes:

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

#### 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.
- $\hbox{` S. } \textit{maltophilia} \colon \textbf{Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results}.$

Prepared by University Health Network/Mount Sinai Hospital Department of Microbiology

### Skin, Wound and Abscess Isolates - % Susceptible

Skin, Wound and Abscess Isolates –	· % Susc	eptii	oie																				
≥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	66	_	23	41		62	60	51			44							50					
ALL GRAM-NEGATIVE BACTERIA	37	100	16	49		63	81	65			51	57				75		61	83	89	94		
Pseudomonas aeruginosa	10	27				40	30					20				70			70	100	90		
Escherichia coli	8	22	38	100		100	100	100			100	100				88		75	100	100	100		
Klebsiella pneumoniae	5	14	0	100		100	100	100			100	100				100		100	100	100	100		
Klebsiella oxytoca	3	8	0	67		67	100	100			67	67				67		67	67	67	100		
Enterobacter cloacae	2	5	0	0		0	100	100			0	0				100		100	100	100	100		
Proteus mirabilis	2	5	100	100		100	100	100			100	100				50		100	100	100	100		
Serratia marcescens	2	5	0	0		0	100	100			0	0				100		100	100	50	100		
ALL GRAM-POSITIVE BACTERIA	29	100	31	31	3	62	34	34	31	34	34		34	31				36				86	
Enterococcus faecium, all isolates	8	28	13	13		13																50	
- vancomycin-susceptible	4	14	25	25		25																100	
- vancomycin-resistant (VRE)	4	14	0	0		0																0	10
- vancomycin-susceptible (vanA+)	0	0																					
Staphyloccocus aureus, all isolates	7	24				100	100	100	100	100			71	71	100			100				100	10
- methicillin-susceptible	7	24				100	100	100	100	100			71	71	100			100				100	10
- methicillin-resistant (MRSA)	0	0																					
Coagulase-negative staphylococci	6	21				33	33	33	33	33			67	50	100			50				100	100
Enterococcus faecalis, all isolates	6	21	100	100		100																100	
- vancomycin-susceptible	6	21	100	100		100																100	
- vancomycin-resistant (VRE)	0	0																					
Group B streptococci**	1	3			100								100	100								100	
Enterococcus species	1	3	100	100		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 GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" listed includes these organisms.
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- ${\color{red}\succ} \ {\color{blue} Susceptibility} \ to \ doxycycline \ was \ predicted \ based \ on \ tetracycline \ susceptibility \ testing \ results.$
- > ICUs include MSICU, CCU, CVICU.

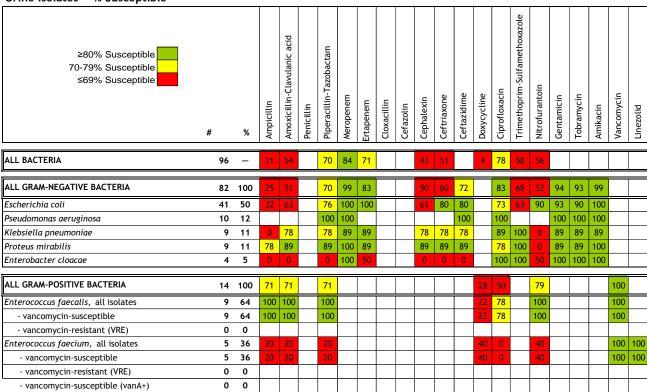
### Year-Specific Notes:

> 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.

### Urine 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 tested.
- > Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.
- ightharpoonup ICUs include MSICU, CCU, CVICU.

### Year-Specific Notes:

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

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Saturday, November 03, 2018