≥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
					_	-								-	-	1						-		-			
ALL BACTERIA	1725	-	19	43				72	75	70		40	62									72					
		100		10	_	r –	-	70			_	20	70		-			-	_			70	00	70			<u> </u>
ALL GRAM-NEGATIVE BACTERIA	885	100	17	65				79	99	89		30	72			80				76		73	92	79	98		⊢
Escherichia coli	530	60	26	76				84	100			37	86			86				70		75	90	70	98		⊢−−
Klebsiella pneumoniae	96	11	0	92				92		100		56	93			93				88		91	98	91	100		\vdash
Pseudomonas aeruginosa	76	9					-	96	93					<u> </u>		95				88			88	99	96		\vdash
Proteus mirabilis	68	8	15	87			-	92	_	100		16	94			94				80		80	93	72	88		\vdash
Enterobacter cloacae	27	3	0	0				4	100			0	0			0				81		88		100	100		\vdash
Klebsiella oxytoca	21	2	0	90				90	_	100		18	90			90				95		95		100	100		\vdash
Citrobacter koseri	11	1	0	0				0	100	100		0	0			0				100		100		100	100		\vdash
Citrobacter freundii	9	1	0	0				0	100	89		0	0			0				100		100		100	100		
Morganella morganii	8	1	0	0				0		100		0	0			0				62		75	88	100	100		
Providencia stuartii	7	1	0	0				0	100			0	0			0				43		71		100	100		\vdash
Serratia marcescens	7	1	0	0				14	100	100		0	14			14				100		86	100	100	100		\vdash
Haemophilus influenzae^^	6	1	100																								\vdash
Providencia rettgeri	6	1	0	0				0	_	100		0	0			0				100		100		100			
Klebsiella aerogenes	5	1	0	0				0	100	100		0	0			0				100		100	100	100	100		ш
ALL GRAM-POSITIVE BACTERIA							-							_		1									-		
	840	100	21	21	6			64	50	50	44	49	51				57	38				70					
Coagulase-negative staphylococci	430	51						46	46	46	46	46					65	35	96			81				100	100
Staphylococcus aureus, all isolates	199	24						84	84	84	84	84					78	67	96			100				100	100
- methicillin-susceptible	168	20			<u> </u>	<u> </u>	<u> </u>	100	100	100	100	99		<u> </u>			77	71	98			100		<u> </u>	<u> </u>	100	100
- methicillin-resistant (MRSA)	31	4					-	0	0	0	0	0					84	45	87			100		-		100	100
Enterococcus faecalis	122	15	100	100				100																		100	⊢ →
Viridans group streptococci*	30	4		<u> </u>	57								96											<u> </u>		100	
Staphylococcus lugdunensis	18	2	-				-	100	100	100	100	100		<u> </u>				100	83			100			<u> </u>	100	100
Group A streptococci**	11	1		-	100				<u> </u>								62	60								100	⊢
Staphylococcus saprophyticus "	11	1																									
Enterococcus faecium, all isolates	10	1	20	20				20																		60	
- vancomycin-susceptible	6	1	33	33				33																		100	
- vancomycin-resistant (VRE)	4	0	0	0				0																		0	100
Group B streptococci**	10	1			100												70	70								100	
Streptococcus pneumoniae	10	1				100	100							90	100		100	60			100					100	
Streptococcus anginosus group ^{°°}	6	1		1	100				1			1	100										_			100	1

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 All specimens refers to all non-surveillance specimens.

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

Organism-Specific Notes:

** 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: Susceptibility testing to penicillin is not routinely performed since resistant strains have not been recognized. All isolates are considered susceptible to penicillin.

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

* 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. anginosus group: Please note that only a small proportion of these isolates were tested for susceptibilities. Please take this into consideration when interpreting the reported results.

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

Blood 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	Ceftriaxone (meningitis)	Ceftriaxone (non-meningitis)	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim- Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
ALL BACTERIA	638	-	17	26				58	60	59		47	55									83		[
																							<u> </u>				_
ALL GRAM-NEGATIVE BACTERIA	159	100	31	67				76	100	92		45	71			76				76		78	92	92	98		
Escherichia coli	90	57	51	74				80	100	100		62	81			81				67		78	89	87	96		
Klebsiella pneumoniae	19	12	0	95				95	100	100		68	95			95				84		84	100	95	100		
Proteus mirabilis	13	8	8	100				100	100	100		8	100			100				92		83	92	100	100		
Pseudomonas aeruginosa	9	6						100	100							89				89			89	100	100		
Enterobacter cloacae	6	4	0	0				0	100	100		0	0			0				83		83	100	100	100		
Klebsiella oxytoca	6	4	0	100				100	100	100		17	100			100				100		100	100	100	100		
ALL GRAM-POSITIVE BACTERIA	479	100	12	12	9			52	48	48	39	48	50				71	47				85					
Coagulase-negative staphylococci	358	75						42	42	42	42	42					74	47	95			89				100	100
Staphylococcus aureus, all isolates	47	10						85	85	85	85	85					79	66	96			100				100	100
- methicillin-susceptible	40	8						100	100	100	100	100					80	72	100			100				100	100
- methicillin-resistant (MRSA)	7	1						0	0	0	0	0					71	29	71			100				100	100
Viridans group streptococci°	24	5			50								96													100	
Enterococcus faecalis	19	4	100	100				100																		100	
Streptococcus pneumoniae	10	2				100	100							90	100		100				100					100	
Group B streptococci**	8	2			100												75	75								100	
Group A streptococci**	6	1			100												40	60								100	
Streptococcus anginosus group°°	5	1			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.

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.

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:

** Beta-hemolytic streptococci: Susceptibility 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. anginosus group: Please note that only a small proportion of these isolates were tested for susceptibilities. Please take this into consideration when interpreting the reported results.

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

July 07, 2023

Respiratory Isolates – % Susceptible

≥80% Susceptible

ALL GRAM-NEGATIVE BACTERIA	6	100	33	33	100	100		50	100		100	100	100	100	
Pseudomonas aeruginosa	3	50			100	100			100		100	100	100	100	
Haemophilus influenzae^^	2	33	100												
Moraxella catarrhalis^	1	17													

ALL GRAM-POSITIVE BACTERIA	3	100		33	33	33	33	33	33	33	33	67			
Staphylococcus aureus, all isolates	2	67		50	50	50	50	50		50	50	100		100	100
- methicillin-susceptible	1	33		100	100	100	100	100		100	100	100		100	100
- methicillin-resistant (MRSA)	1	33		0	0	0	0	0		0	0	100		100	100
Mycobacterium tuberculosis complex	1	33													1

General Notes:

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- 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.

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.

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

July 07, 2023

Urine Isolates – % Susceptible

≥80% Susceptible 70-79% Susceptible ≤69% Susceptible	%	Ampicillin	Amoxicillin-Clavulanic acid	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Cephalexin	Ceftriaxone	Ceftazidime	Doxycycline	Ciprofloxacin	Trimethoprim- Sulfamethoxazole	Nitrofurantoin	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	Daptomycin
ALL BACTERIA 8	97 —	18	68	81	84	76		8	9	64			74	64	77						

ALL GRAM-NEGATIVE BACTERIA	734	100	5	67	79	99	90		7	75	80	74	74	73	92	38	96		
Escherichia coli	477	65	4	76	84	100	98			86	86	68	75	97	90	21	100		
Klebsiella pneumoniae	82	11	0	91	91	100	100			92	92	88	94	43	98	67	100		
Proteus mirabilis	51	7	33	89	96	100	100		100	98	98	82	76	6	92	25	75		
Pseudomonas aeruginosa	45	6			93	88					86	84			86	98	95		
Enterobacter cloacae	17	2	0	0	6	100	94		0	0	0	82	94	59	100	100	100		
Klebsiella oxytoca	11	1	0	91	91	100				91	91	91	91	91	100				
Citrobacter koseri	9	1	0	0	0	100	100		0	0	0	100	100	100	100	100	100		
Morganella morganii	9	1	0	0	0	100	100		0	0	0	56	67	0	89	100	100		
Citrobacter freundii	8	1	0	0	0	100	86		0	0	0	100	100	88	100	88	88		
Klebsiella aerogenes	6	1	0	0	0	100	100		0	0	0	100	100	17	100	100	100		
Proteus vulgaris	5	1	0	0	0	100	100		0	0	0	80	80	0	100	100	100		
Providencia stuartii	5	1	0	0	0	100	100		0	0	0	40	60	0	100	100	100		

ALL GRAM-POSITIVE BACTERIA	163	100	75	75	90	16	16	16	16	16	17	35	74	13	90		95		
Enterococcus faecalis	120	74	100	100	100							24	91		98		99	100	
Staphylococcus aureus, all isolates	19	12			89	89	89	89	89	89		95		100	84		100	100	
- methicillin-susceptible	17	10			100	100	100	100	100	100		94		100	82		100	100	
- methicillin-resistant (MRSA)	2	1			0	0	0	0	0	0		100		100	100		100	100	
Enterococcus faecium, all isolates	10	6	10	10	10							40	20		40		60	100	
- vancomycin-susceptible	6	4	17	17	17							67	33		67		100	100	
- vancomycin-resistant (VRE)	4	2	0	0	0							0	0		0		0	100	100
Staphylococcus saprophyticus "	10	6																	
Enterococcus avium	2	1	100	100	100							0	100		50		100		
Staphylococcus lugdunensis	2	1			100	100	100	100	100	100		100		100	100		100	100	

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

Organism-Specific Notes:

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

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