All Specimens 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	Tobramycin	Amikacin	Vancomycin	Linezolid
ALL BACTERIA	2413	_	20	43				71	74	69		39	59									65					
ALL GRAM-NEGATIVE BACTERIA	4225	100	14	10				7/	400	89		20	/0	_		77				71		/7	02	0.4	97		
	1225	100	14	72 72				76	100	-		29	68 84	_		84				_		67 69	92 91	84	96		
Escherichia coli Klebsiella pneumoniae	681 189	56 15		84		-		82	_	100		35 54	87		-	87				65 75		76	91	77 89	100		\vdash
Pseudomonas aeruginosa	118	10	U	04				95	97	100		J4	07			98		-		83		76	91	99	91		\vdash
Proteus mirabilis	59	5	32	95				95	100	100		21	97	-		98				78		85	95	83	100		\vdash
Enterobacter cloacae	41	3	0	95				0	100	_		0	0			0				90		82	100				\vdash
Klebsiella oxytoca	29	2	0	93				93	100	_		20	93			93				90		86	100	_	_		
Serratia marcescens	21	2	0	0				5	_	100		0	0			0				81		95	100	_	100		
Klebsiella aerogenes	17	1	0	0				0	100	_		0	0			0				94		100	100	_	_		
Morganella morganii	17	1	0	0				0	100			0	0			0				65		82	76	94	94		
Citrobacter freundii	13	1	0	0				0	92	92		0	0			0				77		100	100				
Citrobacter koseri	12	1	0	0				0	100			0	0			0				100		100	100		_		
Providencia stuartii	7	1	0	0				14		100		0	0			0				29		100	50	50	100		
Haemophilus influenzae^^	6	0	67						100	100												100	50	30	100		
Stenotrophomonas maltophilia '	6	0																			33	83					
Providencia rettgeri	5	0	0	0				0	100	100		0	0			0				100	33	100	100	100	100		
Trovidencia retigeri		-	U	U				U	100	100		U	U			U				100		100	100	100	100		
ALL GRAM-POSITIVE BACTERIA	1188	100	26	26	8			66	48	48	40	48	50				54	40				63				98	
Coagulase-negative staphylococci	542	46						47	47	47	47	47					68	45	96			78				100	100
Staphylococcus aureus, all isolates	249	21						87	87	87	87	87					81	69	94			99				100	100
- methicillin-susceptible	217	18						100	100	100	100	100					81	72	95			100				100	100
- methicillin-resistant (MRSA)	32	3						0	0		0	0					81	47	84			94				100	100
Enterococcus faecalis	204	17	100	100				100																		100	
Viridans group streptococci°	54	5			62								98													100	
Enterococcus faecium, all isolates	53	4	12	12				12																		89	
- vancomycin-susceptible	47	4	13	13				13																		100	
- vancomycin-resistant (VRE)	6	1	0	0				0																		0	100
Streptococcus pneumoniae	23	2				80	80							100	100		80	82			100					100	
					89								100													100	
Streptococcus anginosus group°°	20	2			07																						
Streptococcus anginosus group°° Staphylococcus lugdunensis	20 18	2			07			83	83	83	83	83					78	78	94			100				100	100
					100			83	83	83	83	83					78 58	78 54	94			100					100
Staphylococcus lugdunensis	18	2						83	83	83	83	83							94			100				100	100
Staphylococcus lugdunensis Group B streptococci**	18 13	1						83	83	83	83	83							94			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.

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: Susceptibilty testing to penicillin is not routinely performed since resistant strains have not been recognized. All isolates are considered susceptible to penicillin.
- " S. saprophyticus: Susceptibility testing is not routinely perfomed. 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. maltophilia: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing 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.

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	Daptomycin
ALL BACTERIA	955	_	17	29				69	74	72		57	67									69						
					_																							
ALL GRAM-NEGATIVE BACTERIA	286	100	22	61				75	100	91		42	69			76				71		67	90	91	99			
Escherichia coli	157	55	34	68				80	100	100		47	81			81				65		64	87	88	99			
Klebsiella pneumoniae	57	20	0	82				82	100	100		70	84			84				81		77	95	95	100			
Pseudomonas aeruginosa	19	7						100	95							100				74			95	100	95			
Proteus mirabilis	15	5	40	100				100	100	100		27	100			100				73		87	93	93	100			
Enterobacter cloacae	11	4	0	0				0	100	91		0	0			0				100		91	100	100	100			
Serratia marcescens	7	2	0	0				0	100	100		0	0			0				71		100	100	100	100			
Providencia stuartii	5	2	0	0				0	100	100		0	0			0				20		100	40	40	100			
ALL GRAM-POSITIVE BACTERIA	669	100	16	16	11			66	64	64	52	64	67				58	45				71				99		
Coagulase-negative staphylococci	458	68						62	62	62	62	62					58	42	100			73				100	100	
Staphylococcus aureus, all isolates	70	10						89	89	89	89	89					84	73	98			99				100	100	
- methicillin-susceptible	62	9						100	100	100	100	100					84	76	98			100				100	100	
- methicillin-resistant (MRSA)	8	1						0	0	0	0	0					88	50	100			88				100	100	
Viridans group streptococci°	48	7			64								98													100		
Enterococcus faecalis	22	3	100	100				100																		100		
Streptococcus pneumoniae	18	3				50	50							100	100		100	82			100					100		
Enterococcus faecium, all isolates	14	2	7	7				7																		86		
- vancomycin-susceptible	12	2	8	8				8																		100		
- vancomycin-resistant (VRE)	2	0	0	0				0																		0	100	100
Group B streptococci**	11	2			100												64	64								100		
Streptococcus anginosus group°°	8	1			75								100													100		
Group G streptococci**	7	1			100												71	71								100		

General Notes:

Group A streptococci**

Staphylococcus lugdunensis

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

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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: 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. 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.

Respiratory Isolates — % Susceptible	٥																										
≥80% Susceptible 70-79% Susceptible ≤69% Susceptible	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Penicillin IV (meningitis)	Penicillin IV (non-meningitis)	Piperacillin-Tazobactam	Мегорепет	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftriaxone (meningitis)	Ceftriaxone (non-meningitis)	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
ALL BACTERIA	27		11	26				80	68	19		19	60									63					
ALL GRAM-NEGATIVE BACTERIA	15	100	20	47				00										_									
			20	4/				92	92				54			80				80		40	100	75	62		
Pseudomonas aeruginosa	6		20	4/				83	83				54			80				100		40	100	_			
Pseudomonas aeruginosa Haemophilus influenzae^^	6 5	40	60	4/				_	_				54									40	_	_			
		40 33		100				_	83				100										_	100			
Haemophilus influenzae^^	5	40 33	60					83	83							83				100	50		100	100			
Haemophilus influenzae^^ Klebsiella pneumoniae	5	40 33 13	60					83	83							83				100	50	100	100	100			
Haemophilus influenzae^^ Klebsiella pneumoniae	5 2 2	40 33 13	60		25			83	83	42	42	42				83	67	50		100	50	100	100	100			
Haemophilus influenzae^^ Klebsiella pneumoniae Stenotrophomonas maltophilia '	5 2 2	40 33 13 13	60		25			100	100	42	42 71	42	100			83	67		100	100	50	100	100	100		100	100
Haemophilus influenzae^^ Klebsiella pneumoniae Stenotrophomonas maltophilia ALL GRAM-POSITIVE BACTERIA	5 2 2 12	40 33 13 13 100 58	60		25			100	100				100			83		57	100	100	50	100	100	100		100	100
Haemophilus influenzae^^ Klebsiella pneumoniae Stenotrophomonas maltophilia ALL GRAM-POSITIVE BACTERIA Staphylococcus aureus, all isolates	5 2 2 12 7	40 33 13 13 100 58 42	60		25			83 100 67 71	83 100 42 71	71	71	71	100			83	86	57 60		100	50	100 100 89	100	100			_

General Notes:

Coagulase-negative staphylococci

Mycobacterium tuberculosis complex

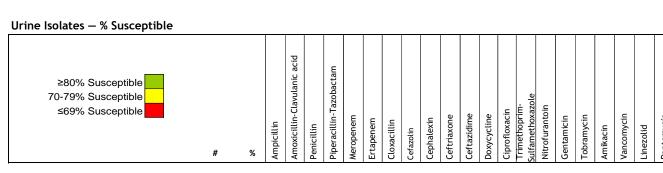
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Organism-Specific Notes:

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

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

July 07, 2023



ALL GRAM-NEGATIVE BACTERIA	927	100	4	65	77	100	94			73	79	71	70	70	93	57	92		
Escherichia coli	566	61	5	72	82	100	100			84	84	64	69	97	91	44	88		
Klebsiella pneumoniae	150	16	0	83	83	100	100			87	87	74	77	28	95	69	100		
Pseudomonas aeruginosa	53	6			96	100					100	89			92	100	92		
Proteus mirabilis	46	5	20	93	96	100	100			98	98	85	85	0	91	33	100		
Klebsiella oxytoca	25	3	0	96	96	100	100			96	96	88	83	92	100	100	100		
Enterobacter cloacae	24	3	0	0	0	100	100		0	0	0	88	83	42	100	100	100		
Klebsiella aerogenes	17	2	0	0	0	100	100		0	0	0	94	100	12	100	100	100		
Citrobacter koseri	12	1	0	0	0	100	100		0	0	0	100	100	92	100	100	100		
Morganella morganii	12	1	0	0	0	100	100		0	0	0	58	100	0	83	100	92		
Citrobacter freundii	7	1	0	0	0	100	100		0	0	0	71	100	100	100	100	100		
Serratia marcescens	6	1	0	0	0	100	100		0	0	0	67	83	0	100	83	100		

ALL GRAM-POSITIVE BACTERIA	277	100	70	70	86	16	16	16	16	16	16	40	64	15	87			98		
Enterococcus faecalis	192	69	99	99	99							32	86		99			100	100	
Staphylococcus aureus, all isolates	41	15			93	93	93	93	93	93		95		98	97			100	100	
- methicillin-susceptible	38	14			100	100	100	100	100	100		95		100	97			100	100	
- methicillin-resistant (MRSA)	3	1			0	0	0	0	0	0		100		67	100			100	100	
Enterococcus faecium, all isolates	32	12	12	12	12							18	10		12			88	100	
- vancomycin-susceptible	28	10	14	14	14							21	11		7			100	100	
- vancomycin-resistant (VRE)	4	1	0	0	0							0	0		50			0	100	100
Staphylococcus saprophyticus "	9	3																		
Staphylococcus lugdunensis	2	1			100	100	100	100	100	100		100		100	100			100	100	
2 111 1																	<u> </u>		_	_

General Notes:

ALL BACTERIA

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

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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.