All Specimen Isolates — % Susceptib	le																								
≥80% Susceptible 70-79% Susceptible ≤69% Susceptible	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	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	4200		24	40		70	ດາ	77		4.4	11				I				1	73			I		
ALL BACTERIA	1288	_	21	48		78	82	//		44	66									/3					<u> — </u>
ALL CRAW MEGATINE RACTERIA	700	100					00	- 00		20				70				7.		75	00	70	07		_
ALL GRAM-NEGATIVE BACTERIA	723	100	17	66		77	99	90		30	71			79				76		75	93	79	97		
Escherichia coli	420	58	24	79		85	100			35	86			86				68		76	90	68	99		<u> </u>
Klebsiella pneumoniae	101	14	0	86		86	99	95		48	89			89				86		90	95	86	91		
Pseudomonas aeruginosa	58	8	57	00		93	98	400		20	400			93				81 95		00	93	97	98		
Proteus mirabilis Enterobacter cloacae	42 28	6 4	0	98		100	100	_		0	100			0				86		98 81	98 96	100 93	100 96		
Klebsiella oxytoca	18	2	0	94		94		100		50	94			94				94		100	100	100	100		
Klebsiella aerogenes	14	2	0	0		0	100			0	0			0				92		100	100	100	100		-
Serratia marcescens	9	1	0	0		0		100		0	0			0				100		100	100	89	100		
Citrobacter koseri	7	1	0	0		0	100	-		0	0			0				100		100	100	100	100		\vdash
Morganella morganii	7	1	0	0		0	100			0	0			0				86		86	100	100	100		
Citrobacter freundii	5	1	0	0		0	100	100		0	0			0				100		100	100	100	100		
errobaccer freunan			V			V	100	100		·				U				100		100	100	100	100		
ALL GRAM-POSITIVE BACTERIA	565	100	26	26	6	78	60	60	53	60	60				56	47				70				96	
Staphylococcus aureus, all isolates	228	40				80	80	80	80	80					79	60	92			97				100	100
- methicillin-susceptible	184	33				99	99	99	99	99					80	69	95			98				100	100
- methicillin-resistant (MRSA)	44	8				0	0	0	0	0					73	23	80			93				100	100
Coagulase-negative staphylococci	161	28				75	75		75	75					75	67	100			92				100	100
Enterococcus faecalis	113	20	97	97		97																		100	
Staphylococcus lugdunensis	21	4				90	90	90	90	90					90	90	90			100				100	100
Streptococcus anginosus group°°	15	3			100						100													100	
Staphylococcus saprophyticus "	12	2																							
Group A streptococci**	8	1			100										88	75								100	
Viridans group streptococci°	8	1			75						100													100	
Group B streptococci**	7	1			100										57	57								100	
Enterococcus faecium	6	1	50	50		50																		100	
Group G streptococci**	6	1			100										33	33								100	
Streptococcus pneumoniae	5	1										80	80			75			100			L		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:

- ** 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. 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

blood isolates — % susceptible																									
≥80% Susceptible 70-79% Susceptible ≤69% Susceptible	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	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	305		25	40		80	87	85		68	79									78					
-																									
ALL GRAM-NEGATIVE BACTERIA	119	100	33	70		79	100	95		52	79			80				67		78	93	91	98		
Escherichia coli	75	63	45	72		83	100	100		59	85			85				58		69	89	86	97		
Klebsiella pneumoniae	19	16	0	89		89	100	100		74	89			89				84		95	100	100	100		
Proteus mirabilis	8	7	50	100		100	100	100		25	100			100				88		100	100	100	100		
Citrobacter braakii	3	3	0	0		0	100	100		0	0			0				100		100	100	100	100		
Enterobacter cloacae	3	3	0	0		0	100	100		0	0			0				67		100	100	100	100		
Klebsiella oxytoca	3	3	0	100		100	100	100		67	100			100				67		100	100	100	100		
ALL GRAM-POSITIVE BACTERIA	186	100	21	21	14	81	78	78	62	78	79				82	82				78				99	
Coagulase-negative staphylococci	112	60				80	80	80	80	80					100	100	100			80				100	100
Staphylococcus aureus, all isolates	31	17				84	84	84	84	84					74	58	90			97				100	100
- methicillin-susceptible	26	14				100	100	100	100	100					77	62	92			96				100	100
- methicillin-resistant (MRSA)	5	3				0	0	0	0	0					60	40	80			100				100	100
Viridans group streptococci°	8	4			75						100													100	
Enterococcus faecalis	7	4	100	100		100																		100	
Streptococcus anginosus group°°	7	4			100						100													100	
Group B streptococci**	5	3			100										60	60								100	
Group G streptococci**	5	3			100										20	20								100	
Streptococcus pneumoniae	5	3										80	80			75			100					100	ĺ

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.
- ${\color{red}\succ} \ {\color{blue} Susceptibility} \ to \ doxycycline \ was \ predicted \ based \ on \ tetracycline \ susceptibility \ testing \ results.$

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: 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

Respiratory isolates — % Suscepti	DIC																						
≥80% Susceptible 70-79% Susceptible ≤69% Susceptible	#		%	Ampicillin	Amoxicillin-Clavulanic acid	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim- Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
ALL BACTERIA		6	_	33	50	67	83				50							33					
ALL GRAM-NEGATIVE BACTERIA		5	100	40	60	80	100				60	80				100			100	100	100		
Haemophilus influenzae^^		3	60	67																			
Pseudomonas aeruginosa		2	40			50	100					50				100			100	100	100		
ALL GRAM-POSITIVE BACTERIA	_	1	100	_						_	_	_	100	100				100				100	
Staphylococcus aureus, all isolates		1	100			0	0	0	0	0			100	100	100			100				100	100
- methicillin-resistant (MRSA)		1	100			0	0	0	0	0			100	100	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 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 susceptibilities were not tested.
- \succ 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.

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
								1		_		1						ı	1		_
ALL BACTERIA	734	_	21	69	81	84	70		9	5	65			80	67	77					
ALL GRAM-NEGATIVE BACTERIA	585	100	9	70	79	99	82				75	81		78	78	73	93	44	87		
Escherichia coli	365	62	5	80	85	100	100				87	87		71	77	98	91	30	100		
Klebsiella pneumoniae	81	14	0	86	86	99	75			0	90	90		88	93	36	99	75	75		
Proteus mirabilis	37	6	100	97	100	100					100	100		95	97	3	97				
Pseudomonas aeruginosa	32	5			94	97						94		75			91	97	94		
Enterobacter cloacae	18	3	0	0	0	100	94			0	0	0		89	71	71	100	94	100		
Klebsiella oxytoca	13	2	0	92	92	100					92	92		100	100	100	100				
Klebsiella aerogenes	10	2	0	0	0	100	100			0	0	0		90	100	10	100	100	100		
Citrobacter koseri	5	1	0	0	0	100	100			0	0	0		100	100	80	100	100	100		
Morganella morganii	5	1	0	0	0	100	100			0	0	0		80	80	0	100	100	100		
Serratia marcescens	5	1	0	0	0	100	100			0	0	0		100	100	20	100	100	100		
ALL CRAM POSITIVE PACTERIA	1.10	100	/=	/=	00	24	24	24	24	25	24	_	40	07	24	00		l	1		_
ALL GRAM-POSITIVE BACTERIA	149	100	67	67	92	26	26	26	26	25	26		43	87	21	92				400	400
Enterococcus faecalis	102	68	98	98	98	0.6	0.4	0.6	04	0.6			28	91	100	98				100	100
Staphylococcus aureus, all isolates	28	19			96	96	96	96	96	96			100	96	100	100				100	100
- methicillin-susceptible - methicillin-resistant (MRSA)	27	18			100	100	100	100	100	100			100	100	100	100				100	100
` ,	•	9			0	0	0	0	0	0			100		100	100				100	100
Staphylococcus saprophyticus	14			F0	F0-								F0	Ε0.		0				400	400
Enterococcus faecium	4	3	50	50	50	400	400	400	400	400				50	400	0				100	100
Staphylococcus lugdunensis	4	3			100	100	100	100	100	100			100		100	100				100	100

- > 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:

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