Mount Sinai Hospital ANTIBIOGRAM
Wards other than ICUs/Emergency
January 1, 2023 - December 31, 2023

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	**335**	—	17	27		53	56	54		42	51									71					
ALL GRAM-NEGATIVE BACTERIA	**96**	**100**	23	58		69	97	90		47	65			72				73		68	91	90	98		
Escherichia coli	**53**	**55**	40	65		73	100	100		58	77			77				60		73	90	88	96		
Klebsiella pneumoniae	**17**	**18**	0	76		71	100	100		71	76			76				82		59	88	88	100		
Pseudomonas aeruginosa	**8**	**8**				88	75							88				100			100	100	100		
Enterobacter cloacae	**7**	**7**	0	0		0	86	86		0	0			0				100		100	100	100	100		
Klebsiella oxytoca	**4**	**4**	0	100		100	100	100		25	100			100				100		100	100	100	100		
Proteus mirabilis	**4**	**4**	25	100		100	100	100		25	100			100				100		100	100	100	100		
Morganella morganii	**1**	**1**	0	0		0	100	100		0	0			0				0		0	0	0	100		
Stenotrophomonas maltophilia ‘	**1**	**1**																	100	100					
Pantoea agglomerans	**1**	**1**	0	0		0	100	100		0	0			0				100		100	100	100	100		
ALL GRAM-POSITIVE BACTERIA	**239**	**100**	14	14	8	46	40	40	32	40	45				50	35				73				100	
Coagulase-negative staphylococci	**148**	**62**				26	26	26	26	26					43	22	87			74				100	100
Staphylococcus aureus, all isolates	**41**	**17**				93	93	93	93	93					78	71	93			100				100	100
- methicillin-susceptible	**38**	**16**				100	100	100	100	100					79	74	95			100				100	100
- methicillin-resistant (MRSA)	**3**	**1**				0	0	0	0	0					67	33	67			100				100	100
Viridans group streptococci °	**14**	**6**									100													100	
Enterococcus faecalis, all isolates	**14**	**6**	100	100		100																		100	
Group B streptococci**	**14**	**6**			100										86	86								100	
Enterococcus faecium, all isolates	**4**	**2**	50	50		50																		100	
Group A streptococci**	**2**	**1**			100										100	####								100	
Group G streptococci**	**2**	**1**			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.
- 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: 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.

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Respiratory 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	**51**	—	2	8				59	90	47		25	31									45					
ALL GRAM-NEGATIVE BACTERIA	**36**	**100**		8				50	92	31			11			52				80		26	97	100	100		
Pseudomonas aeruginosa	**24**	**67**						62	88							62				88			96	100	100		
Klebsiella pneumoniae	**4**	**11**	0	50				25	100	100		0	50			50				50		50	100	100	100		
Escherichia coli	**3**	**8**	0	33				33	100	100		0	33			33				33		100	100	100	100		
Serratia marcescens	**3**	**8**	0	0				0	100	100		0	0			0				100		100	100	100	100		
Enterobacter cloacae	**1**	**3**	0	0				0	100	100		0	0			0				100		100	100	100	100		
*Moraxella catarrhalis^*	**1**	**3**																									
ALL GRAM-POSITIVE BACTERIA	**15**	**100**	7	7				80	87	87	80	87	80				73	73				93				87	
Staphylococcus aureus, all isolates	**13**	**87**						92	92	92	92	92					84	84	93			100				100	100
- methicillin-susceptible	**12**	**80**						100	100	100	100	100					83	83	92			100				100	100
- methicillin-resistant (MRSA)	**1**	**7**						0	0	0	0	0					100	100	100			100				100	100
Streptococcus pneumoniae	**1**	**7**																0			100						
Mycobacterium tuberculosis complex	**1**	**7**																									

General Notes:

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- 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.

Mount Sinai Hospital ANTIBIOGRAM
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Urine Isolates — % Susceptible

≥80% Susceptible
70-79% Susceptible
≤69% Susceptible

	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Cephalexin	Ceftriaxone	Ceftazidime	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Nitrofurantoin	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
ALL BACTERIA	**563**	—	34	65		75	70	63		8	3	46		35	72	53	76					
ALL GRAM-NEGATIVE BACTERIA	**384**	**100**	12	58		68	99	89		7		63	69	36	72	74	70	90	55	96		
Escherichia coli	**226**	**59**	15	64		71	100	100		9	0	72	72	50	59	74	96	87	34	94		
Klebsiella pneumoniae	**55**	**14**	0	85		84	100	75		12		85	85		87	80	28	98	86	100		
Pseudomonas aeruginosa	**26**	**7**				88	92						88		92			92	96	96		
Proteus mirabilis	**25**	**7**	50	96		96	100	100		0		96	96	100	84	92	8	92	100	100		
Enterobacter cloacae	**16**	**4**	0	0		6	100	100		0	0	0	0	0	88	100	56	93	93	93		
Klebsiella oxytoca	**11**	**3**	0	64		64	100	100		0		73	73		100	91	100	91		100		
Citrobacter koseri	**10**	**3**	0	0		0	100	100		0	0	0	0		100	100	90	100	100	90		
Serratia marcescens	**4**	**1**	0	0		0	100	100		0	0	0	0		100	100	0	100	100	100		
Citrobacter freundii	**4**	**1**	0	0		0	100	75		0	0	0	0		100	100	100	100	100	100		
Morganella morganii	**3**	**1**	0	0		0	100	100		0	0	0	0		67	33	0	67	67	100		
Stenotrophomonas maltophilia‘	**2**	**1**														100	0					
Providencia rettgeri	**1**	**0**	0	0		0	100	100		0	0	0	0		100	0	0	100	100	100		
Citrobacter braakii	**1**	**0**	0	0		0	100	100		0	0	0	0		100	100	100	100	100	100		
ALL GRAM-POSITIVE BACTERIA	**179**	**100**	80	80		89	9	9	9	9	9	9		31	72	9	89				98	
Enterococcus faecalis, all isolates	**137**	**77**	100	100		100								26	88		99				100	
Enterococcus faecium, all isolates	**22**	**12**	22	22		22								18	19		18				86	100
- vancomycin-susceptible	**19**	**11**	26	26		26								21	22		21				100	100
- vancomycin-resistant (VRE)	**3**	**2**	0	0		0								0	0		0				0	100
Staphylococcus aureus, all isolates	**14**	**8**				93	93	93	93	93	93			93		100	100				100	100
- methicillin-susceptible	**13**	**7**				100	100	100	100	100	100			100		100	100				100	100
- methicillin-resistant (MRSA)	**1**	**1**				0	0	0	0	0	0			0		100	100				100	100
Staphylococcus saprophyticus“	**3**	**2**																				
Enterococcus gallinarum	**2**	**1**	100	100		100								50	100		100				50	100
Coagulase-negative staphylococci	**1**	**1**				0	0	0	0	0				100		100	100				100	100

General Notes:

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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 perfomed. Most urinary tract infections due to this organism respond to nitrofurantoin, trimethoprim/sulfamethoxazole or fluoroquinolones.

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

Mount Sinai Hospital ANTIBIOGRAM
Wards other than ICUs/Emergency
January 1, 2023 - December 31, 2023

All Specimens — % 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	**1294**	—	26	44				70	72	64		34	51									61					
ALL GRAM-NEGATIVE BACTERIA	**702**	**100**	15	49				66	98	82		27	55			67				73		66	91	83	96		
Escherichia coli	**347**	**49**	27	63				71	100	98		34	73			73				57		71	87	71	95		
Pseudomonas aeruginosa	**106**	**15**						80	88							80				89			92	98	96		
Klebsiella pneumoniae	**92**	**13**	0	83				82	99	94		58	84			84				84		80	96	89	97		
Enterobacter cloacae	**38**	**5**	0	0				5	97	92		0	0			0				92		94	97	97	97		
Proteus mirabilis	**37**	**5**	38	97				97	100	100		36	97			97				89		91	94	100	100		
Serratia marcescens	**24**	**3**	0	0				0	100	100		0	0			0				100		100	100	96	100		
Klebsiella oxytoca	**18**	**3**	0	78				78	100	100		11	83			83				100		94	94	100	100		
Morganella morganii	**13**	**2**	0	0				0	100	100		0	0			0				69		62	77	85	100		
Citrobacter koseri	**13**	**2**	0	0				8	100	100		0	0			0				100		100	100	100	92		
Citrobacter freundii	**8**	**1**	0	0				0	100	88		0	0			0				100		100	100	100	100		
Stenotrophomonas maltophilia‘	**5**	**1**																			80	100					
Moraxella catarrhalis^	**1**	**0**																									
ALL GRAM-POSITIVE BACTERIA	**592**	**100**	38	38	7			74	42	42	36	42	46				44	35				54				99	
Staphylococcus aureus, all isolates	**209**	**35**						83	83	83	83	83					80	68	92			99				100	100
- methicillin-susceptible	**177**	**30**						98	98	98	98	98					81	74	94			99				100	100
- methicillin-resistant (MRSA)	**32**	**5**						0	0	0	0	0					72	34	84			100				100	100
Enterococcus faecalis, all isolates	**182**	**31**	99	99				100																		100	
Coagulase-negative staphylococci	**98**	**17**						38	38	38	38	38					57	34	86			80				100	100
Enterococcus faecium, all isolates	**37**	**6**	21	21				21																		89	
- vancomycin-susceptible	**33**	**6**	24	24				24																		100	
- vancomycin-resistant (VRE)	**4**	**1**	0	0				0																		0	100
Viridans group streptococci°	**27**	**5**											88													100	
Group B streptococci**	**24**	**4**			100												75	75								100	
Group A streptococci**	**8**	**1**			100												71	67								100	
Group C streptococci**	**4**	**1**			100												0	0								100	
Streptococcus pneumoniae	**3**	**1**				100	100							100	100		100	67			100					100	

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

Year-Specific Notes:

- All specimens exclude surveillance samples.

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.

** 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.