

Mount Sinai Hospital ANTIBIOGRAM

All Inpatients

January 1, 2023 - December 31, 2023

Blood Isolates – % Susceptible

	#	%	Antibiotics																					
			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	447	—	16	25		50	52	50		37	45						68							
ALL GRAM-NEGATIVE BACTERIA	126	100	21	51		64	96	86		41	58	68				69	69	92	91	98				
<i>Escherichia coli</i>	61	48	42	67		73	100	100		58	77	77				58	75	90	88	97				
<i>Klebsiella pneumoniae</i>	20	16	0	79		74	100	100		74	79	79				79	63	89	89	100				
<i>Pseudomonas aeruginosa</i>	12	10				83	67					83				92		100	100	100				
<i>Enterobacter cloacae</i>	12	10	0	0		0	92	92		0	0	0				92	92	100	100	100				
<i>Serratia marcescens</i>	6	5	0	0		0	100	100		0	0	0				100	100	100	100	100				
<i>Stenotrophomonas maltophilia</i> [†]	5	4														20	80							
ALL GRAM-POSITIVE BACTERIA	321	100	14	14	6	45	36	36	30	36	40			51	30								99	
Coagulase-negative staphylococci	200	62				26	26	26	26	26				50	20	90		73					100	100
<i>Staphylococcus aureus</i> , all isolates	50	16				90	90	90	90	90				80	70	92		100					100	100
- methicillin-susceptible	45	14				100	100	100	100	100				80	76	96		100					100	100
- methicillin-resistant (MRSA)	5	2				0	0	0	0	0				80	20	60		100					100	100
<i>Enterococcus faecalis</i> , all isolates	24	7	96	96		96																	100	
<i>Enterococcus faecium</i> , all isolates	15	5	36	36		36																	87	
- vancomycin-susceptible	13	4	42	42		42																	100	
- vancomycin-resistant (VRE)	2	1	0	0		0																	0	
Viridans group streptococci [°]	14	4									100												100	
Group B streptococci**	14	4				100								86	86								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. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

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Respiratory Isolates – % Susceptible

	#	%	Antibiotics																							
			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
ALL BACTERIA	125	—	3	10			69	83	41		26	37									54					
ALL GRAM-NEGATIVE BACTERIA	85	100	2	13			62	84	22		16			56				69			36	93	95	97		
<i>Pseudomonas aeruginosa</i>	48	56					75	77						75				79				96	98	100		
<i>Stenotrophomonas maltophilia</i>	9	11																89	100							
<i>Escherichia coli</i>	6	7	0	33			33	83	50		0	33		33				33			67	83	100	100		
<i>Klebsiella pneumoniae</i>	6	7	0	67			50	100	100		0	67		67				50			67	100	100	100		
<i>Serratia marcescens</i>	5	6	0	0			0	100	100		0	0		0				100			100	100	100	100		
<i>Enterobacter cloacae</i>	4	5	0	0			0	100	100		0	0		0				100			100	100	100	100		
<i>Klebsiella oxytoca</i>	3	4	0	100			100	100			100			100				100			100	100	100	100		
<i>Proteus mirabilis</i>	2	2	100	100			100	100			100			100				100			50	50				
<i>Morganella morganii</i>	1	1	0	0			0	100	100		0	0		0				100			0	0	0	100		
<i>Moraxella catarrhalis</i> *	1	1																								
ALL GRAM-POSITIVE BACTERIA	40	100	4	4	4		81	81	81	78	81	78				70	58				95				95	
<i>Staphylococcus aureus</i> , all isolates	35	88					89	89	89	89	89					76	63	94			100				100	100
- methicillin-susceptible	31	78					100	100	100	100	100					73	67	93			100				100	100
- methicillin-resistant (MRSA)	4	10					0	0	0	0	0					100	33	100			100				100	100
<i>Streptococcus pneumoniae</i>	3	8				50	50						0	0		50	33			100					100	
<i>Mycobacterium tuberculosis</i> complex	2	5																								

General Notes:

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- > 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" reflect estimates only based on the weighted average of susceptibilities for all
- > 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
- > 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
- ' *S. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

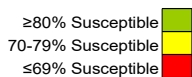
Mount Sinai Hospital ANTIBIOGRAM

All Inpatients

January 1, 2023 - December 31, 2023

Urine Isolates – % Susceptible

	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Cephalexin	Ceftriaxone	Ceftazidime	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Nitrofurantoin	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid



ALL BACTERIA	596	—	34	65	74	70	63		8	3	45		34	71	52	76						
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ALL GRAM-NEGATIVE BACTERIA	403	100	12	57	67	99	88		7		62	68	36	71	72	70	90	57	96		
<i>Escherichia coli</i>	235	58	15	64	71	100	100		9	0	72	72	50	58	73	96	87	36	94		
<i>Klebsiella pneumoniae</i>	58	14	0	84	81	100	75		11		84	84		86	79	28	98	86	100		
<i>Pseudomonas aeruginosa</i>	29	7			79	90					79			90			93	97	97		
<i>Proteus mirabilis</i>	25	6	50	96	96	100	100		0		96	96	100	84	92	8	92	100	100		
<i>Enterobacter cloacae</i>	17	4	0	0	6	100	100		0	0	0	0	0	88	100	59	94	94	94		
<i>Klebsiella oxytoca</i>	11	3	0	64	64	100	100		0		73	73		100	91	100	91		100		
<i>Citrobacter koseri</i>	10	2	0	0	0	100	100		0	0	0	0		100	100	90	100	100	90		
<i>Citrobacter freundii</i>	5	1	0	0	0	100	80		0	0	0	0		80	80	100	100	80	100		
<i>Morganella morganii</i>	4	1	0	0	0	100	100		0	0	0	0		75	50	0	75	75	100		
<i>Serratia marcescens</i>	4	1	0	0	0	100	100		0	0	0	0		100	100	0	100	100	100		
<i>Stenotrophomonas maltophilia</i> [†]	2	0													100	0					
<i>Citrobacter braakii</i>	2	0	0	0	0	100	50		0	0	0	0		100	100	100	100	100	100		
<i>Providencia rettgeri</i>	1	0	0	0	0	100	100		0	0	0	0		100	0	0	100	100	100		

ALL GRAM-POSITIVE BACTERIA	193	100	80	80	89	9	9	9	9	9			32	71	9	89					98
<i>Enterococcus faecalis</i> , all isolates	148	77	100	100	100									27	88		99				100
- vancomycin-susceptible	148	77	100	100	100									27	88		99				100
- vancomycin-resistant (VRE)	0	0																			
<i>Enterococcus faecium</i> , all isolates	24	12	25	25	25									17	18		21				83
- vancomycin-susceptible	20	10	25	25	25									20	21		20				100
- vancomycin-resistant (VRE)	4	2	25	25	25									0	0		25				0
<i>Staphylococcus aureus</i> , all isolates	16	8			94	94	94	94	94	94				94		100	100				100
- methicillin-susceptible	15	8			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
<i>Staphylococcus saprophyticus</i> [‡]	3	2																			
<i>Enterococcus gallinarum</i>	1	1	100	100	100									100	100		100				100
Coagulase-negative staphylococci	1	1			0	0	0	0	0					100		100	100				100

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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.
- [†] *S. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

Mount Sinai Hospital ANTIBIOGRAM

All Inpatients

January 1, 2023 - December 31, 2023

All Non-Urine Isolates — % Susceptible

	#	%	Antibiotics																						
			Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Penicillin IV (meningitis)	Penicillin IV (non-meningitis)	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	
ALL BACTERIA	630	—	32	66			78	69	63			12	47					50							
ALL GRAM-NEGATIVE BACTERIA	416	100	8	60			72	99	90			13	65	74				69	71	93	53	91			
<i>Escherichia coli</i>	246	59	10	70			76	100	100			15	78	78				57	75	91	39	96			
<i>Klebsiella pneumoniae</i>	58	14	0	88			88	100	100			12	90	90				86	90	97	60	67			
<i>Pseudomonas aeruginosa</i>	39	9					90	97						92				90		97	100	95			
<i>Enterobacter cloacae</i>	20	5	0	0			0	95	95			0	0	0				100	95	100	100	100			
<i>Klebsiella oxytoca</i>	7	2	0	86			86	100	100			0	86	86				86	86	86	67	100			
<i>Proteus mirabilis</i>	22	5	40	95			95	100	100			40	95	95				71	64	86	25	67			
<i>Morganella morganii</i>	5	1	0	0			0	100	100			0	0	0				20	40	100	100	100			
<i>Serratia marcescens</i>	4	1	0	0			0	100	75			0	0	0				100	100	100	100	100			
<i>Citrobacter freundii</i>	4	1	0	0			0	100	100			0	0	0				75	50	75	75	75			
<i>Citrobacter koseri</i>	4	1	0	0			0	100	100			0	0	0				100	100	100	100	100			
<i>Providencia rettgeri</i>	3	1	0	0			0	100	100			0	0	0				100	67	100	100	100			
ALL GRAM-POSITIVE BACTERIA	214	100	78	78	0		89	10	10	10	10	10	10					9	7					97	
Coagulase-negative staphylococci	297	139					0	0	0	0	0							0	0	100				100	100
<i>Staphylococcus aureus</i> , all isolates	21	10					100	100	100	100	100							86	71	100				100	100
<i>Enterococcus faecium</i> , all isolates	27	13	11	11			11																	78	
- vancomycin-susceptible	21	10	14	14			14																	100	
- vancomycin-resistant (VRE)	6	3	0	0			0																	0	83
<i>Streptococcus pneumoniae</i>	1	0					100	100										100	100					100	
<i>Enterococcus faecalis</i> , all isolates	164	77	99	99			100																	100	
<i>Enterococcus gallinarum</i>	1	0	100	100			100																	100	

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