

**Mount Sinai Hospital ANTIBIOGRAM**  
**All Inpatients and Outpatients**  
**January 1, 2023 - December 31, 2023**

**Blood Isolates – % 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

<b>ALL BACTERIA</b>	1360	—	27	46				73	74	64		33	50									58					
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<b>ALL GRAM-NEGATIVE BACTERIA</b>	793	100	15	47				67	97	79		26	53			68					72		65	91	84	97	
<i>Escherichia coli</i>	368	46	28	63				71	100	98		36	72			72					57		70	88	72	96	
<i>Pseudomonas aeruginosa</i>	134	17						83	85							83					87		92	98	97		
<i>Klebsiella pneumoniae</i>	100	13	0	82				81	99	95		58	84			84					82		80	96	90	97	
<i>Enterobacter cloacae</i>	48	6	0	0				4	98	93		0	0			0					91		93	98	98	98	
<i>Klebsiella oxytoca</i>	23	3	0	82				83	100	100		9	86			86					100		95	96	100	100	
<i>Proteus mirabilis</i>	41	5	40	97				98	100	100		38	97			97					90		89	92	100	100	
<i>Serratia marcescens</i>	21	3	0	0				0	100	100		0	0			0					100		100	100	95	100	
<i>Stenotrophomonas maltophilia</i> <sup>1</sup>	16	2																			75	94					
<i>Morganella morganii</i>	15	2	0	0				0	100	100		0	0			0					67		60	80	87	100	
<i>Citrobacter koseri</i>	13	2	0	0				8	100	100		0	0			0					100		100	100	100	92	
<i>Citrobacter freundii</i>	9	1	0	0				0	100	89		0	0			0					89		89	100	89	100	
<i>Citrobacter braakii</i>	5	1	0	0				20	100	75		0	0			0					100		100	100	100	100	

<b>ALL GRAM-POSITIVE BACTERIA</b>	567	100	44	44	7			81	43	43	36	43	47			41	36					49				99	
Coagulase-negative staphylococci	373	66						36	36	36	36	36				58	32	85				77				100	100
<i>Staphylococcus aureus</i> , all isolates	244	43						84	84	84	84	84				79	68	93				99				100	100
- methicillin-susceptible	208	37						99	99	99	99	99				80	74	95				99				100	100
- methicillin-resistant (MRSA)	36	6						0	0	0	0	0				72	31	81				100				100	100
<i>Enterococcus faecalis</i> , all isolates	202	36	99	99				100																		100	
<i>Enterococcus faecium</i> , all isolates	51	9	24	24				24																		86	
- vancomycin-susceptible	44	8	26	26				26																		100	
- vancomycin-resistant (VRE)	7	1	14	14				14																		0	100
Viridans group streptococci <sup>*</sup>	29	5										86														100	
Group B streptococci <sup>**</sup>	24	4																			75	75				100	
Group A streptococci <sup>**</sup>	11	2																			60	60				100	
<i>Streptococcus pneumoniae</i>	5	1						67	67							50	50				67	60				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
- > 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.

**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

**Organism-Specific Notes:**

<sup>\*\*</sup> 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.

<sup>\*</sup> 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.

<sup>1</sup> S. maltophilia: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

**Mount Sinai Hospital ANTIBIOGRAM**  
**All Inpatients and Outpatients**  
**January 1, 2023 - December 31, 2023**

**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
<b>ALL BACTERIA</b>	125	—	3	10				69	83	41		26	37								54					
<b>ALL GRAM-NEGATIVE BACTERIA</b>	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> <sup>†</sup>	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> <sup>^</sup>	1	1																								
<b>ALL GRAM-POSITIVE BACTERIA</b>	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						100					100
<i>Mycobacterium tuberculosis complex</i>	2	5																								100

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

**Organism-Specific Notes:**

<sup>^</sup> *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

<sup>†</sup> *S. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

# Mount Sinai Hospital ANTIBIOGRAM

## All Inpatients and Outpatients

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

<b>ALL BACTERIA</b>	596	—	34	65	74	70	63	8	3	45	34	71	52	76						
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Organism	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Cephalexin	Ceftriaxone	Ceftazidime	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Nitrofurantoin	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
<b>ALL GRAM-NEGATIVE BACTERIA</b>	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	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	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> <sup>†</sup>	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			

Organism	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Cephalexin	Ceftriaxone	Ceftazidime	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Nitrofurantoin	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
<b>ALL GRAM-POSITIVE BACTERIA</b>	193	100	80	80	89	9	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			94		100	100					100
- methicillin-susceptible	15	8		100	100	100	100	100	100	100			100		100	100					100
- methicillin-resistant (MRSA)	1	1		0	0	0	0	0	0	0			0		100	100					100
<i>Staphylococcus saprophyticus</i> <sup>“</sup>	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

**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:**

- “ *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 and Outpatients

### 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	Ceftriaxone (meningitis)	Ceftriaxone (non-meningitis)	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin
<b>ALL BACTERIA</b>	1111	—	16	24			62	66	56		41	50									66					
<b>ALL GRAM-NEGATIVE BACTERIA</b>	420	100	15	38			65	95	68		28	44			67				71		56	91	91	98		
<i>Escherichia coli</i>	153	36	36	61			70	99	97		50	72			72				52		66	87	83	97		
<i>Pseudomonas aeruginosa</i>	109	26					81	83							82				86			93	98	97		
<i>Klebsiella pneumoniae</i>	46	11	0	78			78	98	97		67	82			82				78		78	93	91	97		
<i>Enterobacter cloacae</i>	32	8	0	0			3	97	90		0	0			0				94		90	100	100	100		
<i>Serratia marcescens</i>	18	4	0	0			0	100	100		0	0			0				100		100	100	94	100		
<i>Proteus mirabilis</i>	17	4	38	100			100	100	100		42	100			100				93		88	94	100	100		
<i>Stenotrophomonas maltophilia</i> <sup>†</sup>	14	3																	71		93					
<i>Klebsiella oxytoca</i>	13	3	0	100			100	100	100		12	100			100				100		100	100	100	100		
<i>Morganella morganii</i>	13	3	0	0			0	100	100		0	0			0				62		54	69	77	100		
<i>Citrobacter freundii</i>	4	1	0	0			0	100	100		0	0			0				100		100	100	100	100		
<i>Moraxella catarrhalis</i> <sup>^</sup>	1	0																								
<b>ALL GRAM-POSITIVE BACTERIA</b>	691	100	16	16	6		60	49	49	43	49	53			57	41					73					100
Coagulase-negative staphylococci	297	43					36	36	36	36	36				57	31	85				76					100
<i>Staphylococcus aureus</i> , all isolates	230	33					83	83	83	83	83				79	66	93				99					100
- methicillin-susceptible	195	28					98	98	98	98	98				80	73	95				99					100
- methicillin-resistant (MRSA)	35	5					0	0	0	0	0				71	29	83				100					100
<i>Enterococcus faecalis</i> , all isolates	66	10	97	97			100																			100
Viridans group streptococci <sup>*</sup>	29	4									86															100
<i>Enterococcus faecium</i> , all isolates	25	4	25	25			25																			100
Group B streptococci <sup>**</sup>	24	3			100										75	75										100
Group A streptococci <sup>**</sup>	11	2			100										60	60										100
<i>Streptococcus pneumoniae</i>	5	1				67	67						50	50	67	60			100							100
Group C streptococci <sup>**</sup>	4	1			100										0	0										100

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

**Organism-Specific Notes:**

- <sup>^</sup> *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
- <sup>\*\*</sup> 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.
- <sup>\*</sup> 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.
- <sup>†</sup> *S. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.