

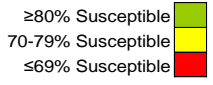
# Mount Sinai Hospital ANTIBIOGRAM

## All Inpatients

### January 1, 2022 - December 31, 2022

#### All Specimens 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	Daptomycin



<b>ALL BACTERIA</b>	1589	—	23	38				67	67	59		36	51									63						
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ALL GRAM-NEGATIVE BACTERIA	693	100	17	51				69	98	79		24	57		70					78		68	92	85	97		
<i>Escherichia coli</i>	320	46	28	71				78	100	99		35	81		81					66		71	89	74	95		
<i>Pseudomonas aeruginosa</i>	102	15						89	91						91					94			93	100	97		
<i>Klebsiella pneumoniae</i>	65	9	0	86				84	97	92		70	87		87					81		88	95	86	100		
<i>Enterobacter cloacae</i>	55	8	0	0				4	100	96		0	2		2					95		96	98	98	100		
<i>Proteus mirabilis</i>	42	6	33	95				98	100	100		10	100		100					93		90	98	100	100		
<i>Klebsiella oxytoca</i>	18	3	0	94				94	100	100		29	94		94					94		89	100	100	100		
<i>Klebsiella aerogenes</i>	16	2	0	0				0	88	88		0	0		0					94		100	100	100	100		
<i>Haemophilus influenzae</i> <sup>^^</sup>	13	2	85																								
<i>Serratia marcescens</i>	12	2	0	0				0	100	92		0	0		0					100		100	100	92	100		
<i>Stenotrophomonas maltophilia</i> <sup>†</sup>	10	1																			90	100					
<i>Citrobacter koseri</i>	10	1	0	0				0	100	100		0	0		0					100		100	100	100	100		
<i>Morganella morganii</i>	9	1	0	0				0	100	100		0	0		0					89		89	100	100	100		
<i>Citrobacter freundii</i>	7	1	0	0				0	100	100		0	0		0					100		71	86	86	86		
<i>Providencia rettgeri</i>	5	1	0	0				0	100	100		0	0		0					100		100	100	100	100		

ALL GRAM-POSITIVE BACTERIA	896	100	28	28	9			65	45	45	36	45	46		52	41					58				94		
Coagulase-negative staphylococci	343	38						44	44	44	44	44			73	49	85				75				100	100	
<i>Staphylococcus aureus</i> , all isolates	229	26						83	83	83	83	83			79	72	94				98				100	100	
- methicillin-susceptible	193	22						99	99	99	99	99			79	76	97				99				100	100	
- methicillin-resistant (MRSA)	36	4						0	0	0	0	0			77	51	80				94				100	100	
<i>Enterococcus faecalis</i> , all isolates	184	21	99	99				99																	100		
<i>Streptococcus anginosus</i> group <sup>†</sup>	56	6			98								100												100		
<i>Enterococcus faecium</i> , all isolates	42	5	8	8				8																	83		
- vancomycin-susceptible	35	4	9	9				9																	100		
- vancomycin-resistant (VRE)	7	1	0	0				0																	0	100	100
<i>Staphylococcus lugdunensis</i>	31	3						68	68	68	68	68			84	77	97								100	100	
Group B streptococci <sup>**</sup>	20	2			100										63	58									100		
Viridans group streptococci <sup>†</sup>	19	2			53								83												100		
<i>Streptococcus pneumoniae</i>	7	1				100	100								75	100									100		
Group A streptococci <sup>**</sup>	5	1													100	57									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:

- <sup>^^</sup> *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.
- <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.
- <sup>\*\*</sup> *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.

# Mount Sinai Hospital ANTIBIOGRAM

## All Inpatients

### January 1, 2022 - December 31, 2022

#### Blood Isolates – % Susceptible

		Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftriaxone (meningitis)	Ceftriaxone (non-meningitis)	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	Daptomycin	
≥80% Susceptible																									
70-79% Susceptible																									
≤69% Susceptible																									
#	%																								

<b>ALL BACTERIA</b>	419	—	15	26	50	56	54	36	45								78							
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<b>ALL GRAM-NEGATIVE BACTERIA</b>	130	100	15	51	60	97	88	31	57			59					78	77	86	87	96			
<i>Escherichia coli</i>	61	47	31	62	69	100	100	39	72			72					72	70	80	82	95			
<i>Klebsiella pneumoniae</i>	20	15	0	80	80	90	90	80	80			80					75	80	90	85	95			
<i>Enterobacter cloacae</i>	12	9	0	0	0	100	83	0	0			0					92	92	92	92	100			
<i>Proteus mirabilis</i>	8	6	12	100	100	100	100	12	100			100					88	100	88	100	100			
<i>Pseudomonas aeruginosa</i>	6	5			83	83						83					100		100	100	100			
<i>Citrobacter koseri</i>	5	4	0	0	0	100	100	0	0			0					100	100	100	100	100			

<b>ALL GRAM-POSITIVE BACTERIA</b>	289	100	15	15	7	46	39	39	31	39	40			48	41		79					97		
Coagulase-negative staphylococci	183	63				33	33	33	33	33				50	42	92	92					100	100	
<i>Staphylococcus aureus</i> , all isolates	44	15				73	73	73	73	73				77	68	87	98					100	100	
- methicillin-susceptible	33	11				97	97	97	97	97				75	75	94	100					100	100	
- methicillin-resistant (MRSA)	11	4				0	0	0	0	0				82	45	64	91					100	100	
<i>Enterococcus faecalis</i>	22	8	100	100		100																100		
<i>Enterococcus faecium</i> , all isolates	15	5	15	15		15																73		
- vancomycin-susceptible	11	4	20	20		20																100		
- vancomycin-resistant (VRE)	4	1	0	0		0																0	100	100
Group B streptococci**	10	3			100									70	60							100		
Viridans group streptococci °	7	2			57					100												100		
<i>Streptococcus anginosus</i> group ° °	6	2			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: 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. 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.



# Mount Sinai Hospital ANTIBIOGRAM

## All Inpatients

### January 1, 2022 - December 31, 2022

#### All 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	Daptomycin

<b>ALL BACTERIA</b>	540	—	29	67	76	68	58			11	3	48		74	53	75							
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ALL GRAM-NEGATIVE BACTERIA	355	100	4	62	72	99	85				68	74		76	75	68	92	55	95				
<i>Escherichia coli</i>	200	56	7	74	80	100	95				83	83		65	72	97	88	33	100				
<i>Klebsiella pneumoniae</i>	41	12	0	88	85	98	83			0	90	90		83	88	37	98	75	100				
<i>Proteus mirabilis</i>	26	7	0	88	92	100	100				96	96		85	88	4	100	100	100				
<i>Enterobacter cloacae</i>	24	7	0	0	0	100	100			0	0	0		92	100	42	100	100	100				
<i>Pseudomonas aeruginosa</i>	21	6			100	95						100		95			86	100	95				
<i>Klebsiella oxytoca</i>	13	4	0	92	92	100	100				92	92		92	85	92	100	100	83	83			
<i>Citrobacter freundii</i>	6	2	0	0	0	100	100			0	0	0		100	83	100	100	83	83				
<i>Klebsiella aerogenes</i>	6	2	0	0	0	100	100			0	0	0		100	100	17	100	100	100				
<i>Morganella morganii</i>	5	1	0	0	0	100	100			0	0	0		80	80	0	100	100	100				

ALL GRAM-POSITIVE BACTERIA	185	100	76	76	84	9	9	9	9	9	9		37	72	10	86				97			
<i>Enterococcus faecalis</i>	141	76	99	99	99								32	92		99				100	100		
<i>Enterococcus faecium</i> , all isolates	23	12	4	4	4								19	13		9				87	100		
- vancomycin-susceptible	20	11	5	5	5								22	15		10				100	100		
- vancomycin-resistant (VRE)	3	2	0	0	0								0	0		0				0	100	100	
<i>Staphylococcus aureus</i> , all isolates	17	9			88	88	88	88	88	88			100		100	100				100	100		
- methicillin-susceptible	15	8			100	100	100	100	100	100			100		100	100				100	100		
- methicillin-resistant (MRSA)	2	1			0	0	0	0	0	0			100		100	100				100	100		
<i>Staphylococcus lugdunensis</i>	3	2			67	67	67	67	67	67			100		100	100				100	100		
Coagulase-negative staphylococci	2	1			50	50	50	50	50	50			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 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.

# Mount Sinai Hospital ANTIBIOGRAM

## All Inpatients

### January 1, 2022 - December 31, 2022

#### All Non-Urine 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	Daptomycin
		≥80% Susceptible <span style="color: green;">■</span> 70-79% Susceptible <span style="color: yellow;">■</span> ≤69% Susceptible <span style="color: red;">■</span>																									

<b>ALL BACTERIA</b>	1021	—	15	23			59	64	55		39	53									67						
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ALL GRAM-NEGATIVE BACTERIA	373	100	18	41			66	95	68		23	47		67						78	61	91	90	95			
<i>Escherichia coli</i>	141	38	36	66			74	100	100		45	77		77						64	67	88	83	94			
<i>Pseudomonas aeruginosa</i>	84	23					86	90						89						92		94	100	97			
<i>Enterobacter cloacae</i>	34	9	0	0			3	100	94		0	3		3						97	94	97	100				
<i>Klebsiella pneumoniae</i>	29	8	0	82			82	93	92		77	82		82						75	86	93	88	96			
<i>Proteus mirabilis</i>	17	5	25	100			100	100	100		9	100		100						94	94	94	100	100			
<i>Haemophilus influenzae</i> ^^	13	3	85																								
<i>Klebsiella aerogenes</i>	10	3	0	0			0	80	80		0	0		0						90	100	100	100	100			
<i>Serratia marcescens</i>	10	3	0	0			0	90	90		0	0		0						100	100	100	90	90			
<i>Citrobacter koseri</i>	8	2	0	0			0	100	100		0	0		0						100	100	100	100	100			
<i>Stenotrophomonas maltophilia</i> †	8	2																		100	100						
<i>Klebsiella oxytoca</i>	5	1	0	100			100	100	100		0	100		100						100	100	100	100	100			
<i>Morganella morganii</i>	5	1	0	0			0	100	100		0	0		0						100	100	100	100	100			

ALL GRAM-POSITIVE BACTERIA	648	100	13	13	5		56	48	48	43	48	56		62	49					70					93		
Coagulase-negative staphylococci	258	40					44	44	44	44	44			72	49	85				75					100	100	
<i>Staphylococcus aureus</i> , all isolates	220	34					83	83	83	83	83			78	71	94				98					100	100	
- methicillin-susceptible	185	29					99	99	99	99	99			78	75	97				99					100	100	
- methicillin-resistant (MRSA)	35	5					0	0	0	0	0			79	50	79				94					100	100	
<i>Streptococcus anginosus</i> group**	55	8			98								100												100		
<i>Enterococcus faecalis</i>	52	8	100	100			100																		100		
<i>Staphylococcus lugdunensis</i>	28	4					68	68	68	68	68			86	79	96				100					100	100	
<i>Enterococcus faecium</i> , all isolates	23	4	14	14			14																		83		
- vancomycin-susceptible	19	3	17	17			17																		100		
- vancomycin-resistant (VRE)	4	1	0	0			0																	0	100	100	
Group B streptococci**	19	3			100												61	56							100		
Viridans group streptococci *	19	3			0							83													100		
<i>Streptococcus pneumoniae</i>	7	1				100	100						75	100		33	57			100					100		
Group A streptococci**	5	1			100											100	57								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" listed includes these organisms.
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- 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: 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.
- \*\* *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.