

# Mount Sinai Hospital ANTIBIOGRAM

## Wards other than ICUs/Emergency

### January 1, 2021 - December 31, 2021

#### Blood Isolates – % Susceptible

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

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

<b>ALL BACTERIA</b>	325	—	19	29	50	51	49	35	47								72						
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ALL GRAM-NEGATIVE BACTERIA	105	100	28	59	71	95	86	44	61	70							78	76	92	93	99		
<i>Escherichia coli</i>	53	50	46	83	85	100	100	70	85	85							75	83	91	92	98		
<i>Pseudomonas aeruginosa</i>	13	12			85	62				77							69		92	92	100		
<i>Klebsiella pneumoniae</i>	12	11	0	75	67	100	100	58	75	75							83	75	83	83	100		
<i>Enterobacter cloacae</i>	7	7	0	0	0	100	100	0	0	0							100	100	100	100	100		
<i>Proteus mirabilis</i>	5	5	100	100	100	100	100	40	100	100							80	100	100	100	100		

ALL GRAM-POSITIVE BACTERIA	220	100	15	15	6	40	31	31	25	31	41		49	26			70					100	
Coagulase-negative staphylococci	121	55				20	20	20	20	20			52	20	80		76					100	100
<i>Staphylococcus aureus</i> , all isolates	39	18				79	79	79	79	79			69	51	95		100					100	100
- methicillin-susceptible	31	14				100	100	100	100	100			71	61	97		100					100	100
- methicillin-resistant (MRSA)	8	4				0	0	0	0	0			62	12	88		100					100	100
<i>Enterococcus faecalis</i>	21	10	100	100	100																	100	
Viridans group streptococci <sup>o</sup>	16	7								100												100	
Group B streptococci**	8	4			100								38	38								100	
<i>Streptococcus anginosus</i> group <sup>o o</sup>	6	3								100												100	
Group A streptococci**	5	2			100								80	80								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.

<sup>o</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>o o</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 Wards other than ICUs/Emergency January 1, 2021 - December 31, 2021

### Respiratory Isolates – % Susceptible

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

<b>ALL BACTERIA</b>	60	—	12	16	63	78	43	23	41	63													
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<b>ALL GRAM-NEGATIVE BACTERIA</b>	38	100	17	24	64	89	32	28	68	83	46	91	70	85
<i>Pseudomonas aeruginosa</i>	18	47			72	78		89		83		83	89	89
<i>Enterobacter cloacae</i>	5	13	0	0	0	100	100	0	0	100	100	100	100	100
<i>Escherichia coli</i>	5	13	50	60	80	100	100	0	80	80	80	100	0	100
<i>Haemophilus influenzae</i> <sup>^^</sup>	3	8	100											
<i>Stenotrophomonas maltophilia</i> <sup>‘</sup>	2	5								100	100			

<b>ALL GRAM-POSITIVE BACTERIA</b>	22	100	4	4	4	61	61	61	57	61	61	68	50	91	91
<i>Staphylococcus aureus</i> , all isolates	20	91				65	65	65	65	65		75	55	90	100
- methicillin-susceptible	13	59				100	100	100	100	100		85	77	100	100
- methicillin-resistant (MRSA)	7	32				0	0	0	0	0		57	14	71	100
<i>Mycobacterium tuberculosis</i> complex	1	5													
<i>Staphylococcus lugdunensis</i>	1	5				0	0	0	0	0		0	0	100	100
<i>Streptococcus anginosus</i> group <sup>°°</sup>	1	5			100						100			100	

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- 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> *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

## Wards other than ICUs/Emergency

### January 1, 2021 - December 31, 2021

#### Skin, Wound and Abscess Isolates – % Susceptible

≥80% Susceptible <span style="color: green;">■</span> 70-79% Susceptible <span style="color: yellow;">■</span> ≤69% Susceptible <span style="color: red;">■</span>	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin		Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid

<b>ALL BACTERIA</b>	196	–	10	18		59	68	56		36	38	50						63					
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<b>ALL GRAM-NEGATIVE BACTERIA</b>	80	100	7	28		57	96	65		12	28	30	61				85	51	94	91	96		
<i>Escherichia coli</i>	27	34	14	56		63	100	100		21	56	63	63				67	59	89	82	91		
<i>Pseudomonas aeruginosa</i>	27	34				81	89					93					100		96	100	100		
<i>Enterobacter cloacae</i>	9	11	0	0		0	100	100		0	0	0	0				100	89	100	100	100		
<i>Klebsiella pneumoniae</i>	4	5	0	100		100	100	100		100	100	100	100				100	100	100	100	100		
<i>Proteus mirabilis</i>	3	4	50	100		100	100	100		0	100	100	100				100	100	100	100	100		
<i>Serratia marcescens</i>	3	4	0	0		0	100	67		0	0	0	0				100	100	67	67	67		

<b>ALL GRAM-POSITIVE BACTERIA</b>	116	100	12	12	2	60	51	51	48	51	44	62		58	52			72					89	
<i>Staphylococcus aureus</i> , all isolates	64	55				84	84	84	84	84	84			77	70	93		100					100	100
- methicillin-susceptible	54	47				100	100	100	100	100	100			80	74	94		100					100	100
- methicillin-resistant (MRSA)	10	9				0	0	0	0	0	0			60	50	90		100					100	100
<i>Streptococcus anginosus</i> group <sup>°°</sup>	20	17		0								95											100	
Coagulase-negative staphylococci	16	14				56	56	56	56					69	56	94		75					100	100
<i>Enterococcus faecalis</i>	12	10	100	100		100																	100	
<i>Staphylococcus lugdunensis</i>	10	9				70	70	70	70	70	70			70	70	100		100					100	100

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**Organism-Specific Notes:**

<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

## Wards other than ICUs/Emergency

### January 1, 2021 - December 31, 2021

#### Urine Isolates – % 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

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

<b>ALL BACTERIA</b>	599	—	26	65	77	72	62	8	46	49	10	78	54	73									
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ALL GRAM-NEGATIVE BACTERIA	413	100	4	60	72	99	85	5	60	65	74	82	72	66	92	65	94						
<i>Escherichia coli</i>	222	54	3	74	79	100	95	9	77	82	82	73	72	97	89	45	90						
<i>Klebsiella pneumoniae</i>	55	13	0	80	80	100	80	0	80	82	82	89	85	36	96	60	100						
<i>Pseudomonas aeruginosa</i>	39	9			95	95						100	97		90	100	95						
<i>Proteus mirabilis</i>	30	7	33	90	93	100	100	0	93	93	93	87	80	0	97	100	100						
<i>Enterobacter cloacae</i>	17	4	0	0	0	100	94	0	0	0	0	94	100	47	100	100	100						
<i>Klebsiella oxytoca</i>	14	3	0	86	86	100	100	0	50	93	93	100	100	86	100	100	100						
<i>Klebsiella aerogenes</i>	10	2	0	0	0	90	90	0	0	0	0	90	90	10	100	100	100						
<i>Citrobacter koseri</i>	8	2	0	0	0	100	100	0	0	0	0	100	100	88	100	100	100						
<i>Citrobacter freundii</i>	6	1	0	0	0	100	100	0	0	0	0	83	100	100	100	100	100						
<i>Morganella morganii</i>	6	1	0	0	0	100	100	0	0	0	0	83	83	17	100	100	100						

ALL GRAM-POSITIVE BACTERIA	186	100	75	75	2	87	14	14	12	14	14	14	33	70	14	88						97	
<i>Enterococcus faecalis</i>	135	73	100	100		100							24	93		100						100	
<i>Staphylococcus aureus</i> , all isolates	25	13				88	88	88	88	88	88		96		100	100						100	100
- methicillin-susceptible	22	12				100	100	100	100	100	100		95		100	100						100	100
- methicillin-resistant (MRSA)	3	2				0	0	0	0	0	0		100		100	100						100	100
<i>Enterococcus faecium</i> , all isolates	17	9	11	11		11							11	6		0						88	93
- vancomycin-susceptible	15	8	13	13		13							13	7		0						100	92
- vancomycin-resistant (VRE)	2	1	0	0		0							0	0		0						0	100
<i>Staphylococcus lugdunensis</i>	4	2				75	75	75	75	75	75		100		100	100						100	100
Group B streptococci**	3	2				100																100	

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