

**Mount Sinai Hospital ANTIBIOGRAM  
Emergency Department  
January 1, 2021 - December 31, 2021**

**Blood 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	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>	219	—	22	36					77	80	77		63	76									80						
---------------------	-----	---	----	----	--	--	--	--	----	----	----	--	----	----	--	--	--	--	--	--	--	--	----	--	--	--	--	--	--

<b>ALL GRAM-NEGATIVE BACTERIA</b>	87	100	32	69					81	99	90		54	77			84				80		76	93	94	99		
<i>Escherichia coli</i>	57	66	46	79					84	100	100		70	88			88				79		77	91	91	100		
<i>Klebsiella pneumoniae</i>	8	9	0	100					100	100	88		88	100			100				100		100	100	100	100		
<i>Pseudomonas aeruginosa</i>	6	7							100	83							100				83			83	100	83		
<i>Enterobacter cloacae</i>	4	5	0	0					0	100	100		0	0			0				75		75	100	100	100		
<i>Proteus mirabilis</i>	4	5	50	100					100	100	100		0	100			100				100		100	100	100	100		

<b>ALL GRAM-POSITIVE BACTERIA</b>	132	100	45	45	10				74	69	69	59	69	76				71	51				84					99	
Coagulase-negative staphylococci	75	57							75	75	75	75	75					75	50	100			88					100	100
<i>Staphylococcus aureus</i> , all isolates	26	20							85	85	85	85	85					81	61	92			100					100	100
- methicillin-susceptible	22	17							100	100	100	100	100					77	68	95			100					100	100
- methicillin-resistant (MRSA)	4	3							0	0	0	0	0					100	25	75			100					100	100
<i>Enterococcus faecalis</i>	7	5	100	100					100																			100	100
Viridans group streptococci*	7	5											100															100	100
Group G streptococci**	4	3			100													50	50									100	100
<i>Streptococcus pneumoniae</i>	4	3				100	100								100	100		100	75			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

**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.

# Mount Sinai Hospital ANTIBIOGRAM Emergency Department January 1, 2021 - December 31, 2021

## Respiratory Isolates – % Susceptible

		Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Penicillin IV (meningitis)	Penicillin IV (non-meningitis)	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
	≥80% Susceptible																							
	70-79% Susceptible																							
	≤69% Susceptible																							
	#																							
	%																							
<b>ALL BACTERIA</b>	13	—	8	8			69	69	31		31	23							42					

<b>ALL GRAM-NEGATIVE BACTERIA</b>	5	100					100	100					100				20			100	20	60	
<i>Pseudomonas aeruginosa</i>	5	100					100	100					100				20			100	20	60	

<b>ALL GRAM-POSITIVE BACTERIA</b>	8	100	13	13	13		50	50	50	38	50	38		38	38				71				75	
<i>Staphylococcus aureus</i> , all isolates	4	50					75	75	75	75	75			50	50	100			100				100	100
- methicillin-susceptible	3	38					100	100	100	100	100			67	67	100			100				100	100
- methicillin-resistant (MRSA)	1	13					0	0	0	0	0			0	0	100			100				100	100
<i>Mycobacterium tuberculosis complex</i>	2	25																						
Coagulase-negative staphylococci	1	13					0	0	0	0	0			0	0	0			100				100	100
<i>Streptococcus pneumoniae</i>	1	13												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 Emergency Department January 1, 2021 - December 31, 2021

## Skin, Wound and Abscess 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	<span style="display: inline-block; width: 15px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span>																					
70-79% Susceptible	<span style="display: inline-block; width: 15px; height: 10px; background-color: #FFFF00; border: 1px solid black;"></span>																					
≤69% Susceptible	<span style="display: inline-block; width: 15px; height: 10px; background-color: #FF0000; border: 1px solid black;"></span>																					
#	%																					

<b>ALL BACTERIA</b>	178	—	3	6	74	78	62	59	65							82						
---------------------	-----	---	---	---	----	----	----	----	----	--	--	--	--	--	--	----	--	--	--	--	--	--

ALL GRAM-NEGATIVE BACTERIA	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
<i>Pseudomonas aeruginosa</i>	18	50				100	100					100				100		100	100	100		
<i>Enterobacter cloacae</i>	4	11	0	0		0	100	100		0	0	0				100	50	100	100	100		
<i>Escherichia coli</i>	4	11	0	50		50	100			0	75	75				75	75	100				
<i>Proteus mirabilis</i>	4	11	100	100		100	100				100	100				100	100	100				
<i>Klebsiella pneumoniae</i>	3	8	0	100		100	100				100	100				100	100	100				

ALL GRAM-POSITIVE BACTERIA	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	
<i>Staphylococcus aureus</i> , all isolates	138	97				80	80	80	80	80			80	64	95		100					100	100
- methicillin-susceptible	110	77				100	100	100	100	100			82	74	96		100					100	100
- methicillin-resistant (MRSA)	28	20				0	0	0	0	0			71	25	93		100					100	100
Coagulase-negative staphylococci	1	1				100	100	100	100	100			100	100	100		100					100	100
<i>Enterococcus faecalis</i>	1	1	100	100		100																100	
Group A streptococci**	1	1			100								100	100								100	
<i>Streptococcus anginosus</i> group <sup>°°</sup>	1	1			0					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:**

\*\* 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.

°° *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

## Emergency Department

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

#### Urine 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	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Cephalexin	Ceftriaxone	Ceftazidime	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Nitrofurantoin	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
--	---	---	------------	-----------------------------	-------------------------	-----------	-----------	-------------	-----------	------------	-------------	-------------	-------------	---------------	-------------------------------	----------------	------------	------------	----------	------------	-----------

<b>ALL BACTERIA</b>	585	—	16	73	82	87	79		12	67	70		5	79	69	80					
---------------------	-----	---	----	----	----	----	----	--	----	----	----	--	---	----	----	----	--	--	--	--	--

<b>ALL GRAM-NEGATIVE BACTERIA</b>	492	100	6	75	81	100	90		10	76	79	82		81	78	77	92	46	94		
<i>Escherichia coli</i>	343	70	2	83	87	100	100		12	85	89	89		78	78	98	90	45	100		
<i>Klebsiella pneumoniae</i>	63	13	0	90	89	100	100		14	89	90	90		94	86	29	95	33	100		
<i>Proteus mirabilis</i>	22	4	100	95	100	100				100	100	100		82	73	0	100				
<i>Pseudomonas aeruginosa</i>	15	3			93	93						100		87			93	100	100		
<i>Enterobacter cloacae</i>	12	2	0	0	0	100	100		0	0	0	0		100	100	50	92	92	100		
<i>Citrobacter koseri</i>	8	2	0	0	0	100	100		0	0	0	0		100	100	62	100	100	100		
<i>Klebsiella oxytoca</i>	8	2	0	75	75	100			0	62	75	75		75	88	88	100				
<i>Klebsiella aerogenes</i>	5	1	0	0	0	100	100		0	0	0	0		100	100	0	100	100	100		
<i>Morganella morganii</i>	5	1	0	0	0	100	100		0	0	0	0		60	80	0	80	100	100		

<b>ALL GRAM-POSITIVE BACTERIA</b>	93	100	66	66	88	23	23	23	23	23	23		31	69	18	92				97	
<i>Enterococcus faecalis</i>	62	67	100	100	100								15	92		100				100	
<i>Staphylococcus aureus</i> , all isolates	15	16			80	80	80	80	80	80			93		100	100				100	100
- methicillin-susceptible	12	13			100	100	100	100	100	100			100		100	100				100	100
- methicillin-resistant (MRSA)	3	3			0	0	0	0	0	0			67		100	100				100	100
<i>Staphylococcus saprophyticus</i> <sup>†</sup>	12	13																			
<i>Enterococcus faecium</i>	3	3	33	33	33								67	0		33				100	100
Coagulase-negative staphylococci	1	1			0	0	0	0	0	0			100		0	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.