

Mount Sinai Hospital ANTIBIOGRAM Emergency Department January 1, 2023 - December 31, 2023

Respiratory Isolates – % Susceptible

		≥80% Susceptible ■ 70-79% Susceptible ■ ≤69% Susceptible ■														
#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Clindamycin	Erythromycin	Doxycycline	Trimethoprim-Sulfamethoxazole	Vancocycin	Linezolid
ALL GRAM-NEGATIVE BACTERIA	3 100	100	100							100						
<i>Haemophilus influenzae</i>	3 100	100	100							100						
ALL GRAM-POSITIVE BACTERIA	2 100	100		100	100	100	100	100	100		50	50	100	100	100	100
<i>Staphylococcus aureus</i>	2 100	100		100	100	100	100	100	100		50	50	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
- Some organisms for which there were only very small numbers have been excluded from this report; however the total number of "ALL BACTERIA",
- Reported susceptibilities for "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" reflect estimates only based
- Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

Prepared by University Health Network/Mount Sinai Hospital Department of Microbiology

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**Mount Sinai Hospital ANTIBIOGRAM
Emergency Department
January 1, 2023 - December 31, 2023**

All Specimens – % Susceptible

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

ALL BACTERIA	1220	—	21	53				81	86	79		40	69									71					
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ALL GRAM-NEGATIVE BACTERIA	779	100	13	63				79	99	89		26	72			80				73	72	95	85	98			
<i>Escherichia coli</i>	465	60	20	75				84	100	100		32	87			87				65	75	94	79	100			
<i>Klebsiella pneumoniae</i>	90	12	0	81				79	97	89		46	87			87				74	82	94	81	89			
<i>Pseudomonas aeruginosa</i>	69	9						97	94							97				93		96	97	100			
<i>Proteus mirabilis</i>	59	8	16	98				98	100	100		16	98			98				86		85	98	100	100		
<i>Enterobacter cloacae</i>	29	4	0	0				7	100	96		0	0			0				100		96	100	100	100		
<i>Klebsiella oxytoca</i>	15	2	0	100				100	100	100		33	100			100				93		93	100	100	100		
<i>Morganella morganii</i>	13	2	0	0				8	100	100		0	0			0				92		75	92	92	100		
<i>Citrobacter koseri</i>	11	1	0	0				0	100	100		0	0			0				100		100	100	100	91		
<i>Serratia marcescens</i>	7	1	0	0				0	100	100		0	0			0				86		100	100	100	100		
<i>Stenotrophomonas maltophilia</i> [†]	6	1																			67	100					
<i>Citrobacter freundii</i>	6	1	0	0				0	100	100		0	0			0				100		67	100	83	83		
<i>Providencia stuartii</i>	3	0	0	0				0	100	100		0	0			0				100		100	100	100	100		
<i>Moraxella catarrhalis</i> [^]	3	0																									
<i>Citrobacter braakii</i>	3	0	0	0				0	100	100		0	0			0				100		100	100	100	100		

ALL GRAM-POSITIVE BACTERIA	441	100	35	35	13			86	63	63	50	63	64			59	47					69					99	
<i>Staphylococcus aureus</i> , all isolates	247	56						84	84	84	84	84				81	64	92				99					100	100
- methicillin-susceptible	208	47						100	100	100	100	100				80	68	94				99					100	100
- methicillin-resistant (MRSA)	39	9						0	0	0	0	0				87	44	79				100					100	100
<i>Enterococcus faecalis</i> , all isolates	98	22	99	99				100																			100	
Coagulase-negative staphylococci	24	5						52	52	52	52	52				57	30	91				75					100	100
Group A streptococci**	24	5			100											82	71										100	
Viridans group streptococci [°]	12	3			67							92															100	
<i>Enterococcus faecium</i> , all isolates	10	2	10	10				10																			70	
- vancomycin-susceptible	7	2	14	14				14																			100	
- vancomycin-resistant (VRE)	3	1	0	0				0																			0	100
<i>Streptococcus pneumoniae</i>	9	2				100	100							100	100	100	71				100						100	
Group G streptococci**	7	2			100											71	71										100	
Group B streptococci**	6	1			100											60	60										100	
Group C streptococci**	4	1			100											0	0										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
- 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.

Year-Specific Notes:

- All specimens exclude surveillance samples.

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
- ^{**} 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.