

Mount Sinai Hospital ANTIBIOGRAM

Wards other than ICUs/Emergency

January 1, 2018 - December 31, 2018

Blood Isolates – % Susceptible

		≥80% Susceptible		70-79% Susceptible		≤69% Susceptible																								
								#	%	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
ALL BACTERIA		346	—	18	31			53	59	55						37	51								68					
ALL GRAM-NEGATIVE BACTERIA		135	100	21	54			69	98	86						40	65	71					76		75	94	90	97		
<i>Escherichia coli</i>		78	58	33	63			71	99	97						54	76	76					68		74	90	85	99		
<i>Klebsiella pneumoniae</i>		14	10	0	93			86	100	100						85	93	93					86		86	100	93	100		
<i>Pseudomonas aeruginosa</i>		10	7					90	80									90					90			100	100	100		
<i>Enterobacter cloacae</i>		9	7	0	0			0	100	100						0	0	0					100		100	100	100	100		
<i>Klebsiella oxytoca</i>		6	4	0	100			100	100	100						0	100	100					100		100	100	100	100		
<i>Proteus mirabilis</i>		4	3	75	100			100	100	100						0	100	100					100		100	100	100	100		
ALL GRAM-POSITIVE BACTERIA		211	100	17	17	8		44	35	35	27	35	43			35	32							63					100	
Coagulase-negative staphylococci		114	54					15	15	15	15	15				25	20	100						60				100	100	
<i>Staphylococcus aureus</i> , all isolates		44	21					91	91	91	91	91				72	70	98						98				100	100	
- methicillin-susceptible		40	19					100	100	100	100	100				72	72	98						100				100	100	
- methicillin-resistant (MRSA)		4	2					0	0	0	0	0				75	50	100						75				100	100	
<i>Enterococcus faecalis</i> , all isolates		18	9	100	100			100																				100		
- vancomycin-susceptible		18	9	100	100			100																				100		
- vancomycin-resistant (VRE)		0	0																											
Group B streptococci**		17	8			100														47	47							100		
Viridans group streptococci*		16	8													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 all antibiotics tested.

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.

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Respiratory Isolates – % Susceptible

		<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p>≥80% Susceptible ■</p> <p>70-79% Susceptible ■</p> <p>≤69% Susceptible ■</p> </div> </div>																								
#	%	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	69	—	12	32			83	91	68		33	75									75					
ALL GRAM-NEGATIVE BACTERIA	41	100	20	54			78	98	58			63			80				94		63	94	88	97		
<i>Escherichia coli</i>	13	32	8	54			62	100	92		0	69			69				85		77	85	77	92		
<i>Klebsiella pneumoniae</i>	8	20	0	100			100	100	100			100			100				100		75	100	88	100		
<i>Pseudomonas aeruginosa</i>	7	17					100	86							100				100			100	100	100		
<i>Haemophilus influenzae</i> ^{^^}	7	17	100																							
<i>Serratia marcescens</i>	3	7	0	0			0	100	100		0	0			0				100		100	100	100	100		
ALL GRAM-POSITIVE BACTERIA	28	100		7			89	82	82	82	82	93				68	68				92				93	
<i>Staphylococcus aureus</i> , all isolates	23	82					100	100	100	100	100					70	70	96			100				100	100
- methicillin-susceptible	23	82					100	100	100	100	100					70	70	96			100				100	100
- methicillin-resistant (MRSA)	0	0																								
<i>Streptococcus pneumoniae</i>	3	11			67	67							100	100		100	100			100					100	
<i>Mycobacterium tuberculosis complex</i>	2	7																								

General Notes:

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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.

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Skin, Wound and Abscess Isolates – % Susceptible

		<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p>≥80% Susceptible ■</p> <p>70-79% Susceptible ■</p> <p>≤69% Susceptible ■</p> </div> </div>																						
	#	%	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	
ALL BACTERIA	245	—	12	22		71	79	63		40	55							69						
ALL GRAM-NEGATIVE BACTERIA	114	100	11	34		67	96	62		13	41	72				80		55	95	94	100			
<i>Pseudomonas aeruginosa</i>	39	34				85	92					92				79			92	97	100			
<i>Escherichia coli</i>	38	33	29	63		71	100	100		30	82	82				71		74	95	89	100			
<i>Klebsiella pneumoniae</i>	11	10	0	91		91	100	100		33	91	91				91		91	91	91	100			
<i>Enterobacter cloacae</i>	10	9	0	0		0	90	80		0	0	0				100		90	100	100	100			
<i>Morganella morganii</i>	5	4	0	0		0	100	100		0	0	0				100		100	100	100	100			
ALL GRAM-POSITIVE BACTERIA	131	100	12	12	2	74	64	64	62	64	67			64	52			82					98	
<i>Staphylococcus aureus</i> , all isolates	85	65				82	82	82	82	82				76	63	91		99					100	100
- methicillin-susceptible	70	53				99	99	99	99	99				77	74	96		100					100	100
- methicillin-resistant (MRSA)	15	11				0	0	0	0	0				73	13	67		93					100	100
Coagulase-negative staphylococci	21	16				57	57	57	57	57				71	48	86		90					100	100
<i>Enterococcus faecalis</i> , all isolates	14	11	100	100		100																	100	
- vancomycin-susceptible	14	11	100	100		100																	100	
- vancomycin-resistant (VRE)	0	0																						
<i>Enterococcus faecium</i> , all isolates	5	4	0	0		0																	60	
- vancomycin-susceptible	3	2	0	0		0																	100	
- vancomycin-resistant (VRE)	2	2	0	0		0																	0	
- vancomycin-susceptible (vanA+)	0	0																					100	
Viridans group streptococci*	4	3									100												100	

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Organism-Specific Notes:

- ° 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.

