

Mount Sinai Hospital ANTIBIOGRAM
Intensive Care Units
January 1, 2019 - December 31, 2019

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	109	—	7	13	25	29	28	17	24								31						
ALL GRAM-NEGATIVE BACTERIA	26	100	17	42	63	92	81	38	58	62					58	73	83	88	100				
<i>Escherichia coli</i>	11	42	40	45	64	100	91	36	73	73				55	73	100	100	100					
<i>Klebsiella pneumoniae</i>	8	31	0	75	75	100	100	75	75	75				88	75	75	88	100					
<i>Pseudomonas aeruginosa</i>	2	8			100	0				100				0			50	50	100				
<i>Klebsiella oxytoca</i>	2	8	0	0	0	100	100	0	0	0				50		100	50	50	100				
<i>Stenotrophomonas maltophilia</i> [†]	2	8													50	100							
<i>Serratia marcescens</i>	1	4	0	0	0	100	100	0	0	0				100		100	100	100	100				
ALL GRAM-POSITIVE BACTERIA	83	100	4	4	14	11	11	11	11	14		14	14				17					27	
Coagulase-negative staphylococci	54	65																				100	
<i>Staphylococcus aureus</i> , all isolates	13	16			69	69	69	69	69			85	85	100			100					92	100
- methicillin-susceptible	9	11			100	100	100	100	100			100	100	100			100					100	100
- methicillin-resistant (MRSA)	4	5			0	0	0	0	0			50	50	100			100					75	100
<i>Enterococcus faecium</i> , all isolates	9	11	11	11	11																	33	
- vancomycin-susceptible	3	4	33	33	33																	100	
- vancomycin-resistant (VRE)	6	7	0	0	0																	0	100
Viridans group streptococci [°]	5	6								60												100	
<i>Enterococcus faecalis</i>	2	2	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.
- ICUs include MSICU.

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 IUM/ICU Department of Microbiology.

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.
- † *S. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing 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	77	–	5	14			69	84	60		45	58									74					
ALL GRAM-NEGATIVE BACTERIA	40	100	3	20			57	90	43		15	33			47					65	60	90	85	97		
<i>Pseudomonas aeruginosa</i>	12	30					75	75							75					92		92	92	100		
<i>Stenotrophomonas maltophilia</i>	10	25																		70	100					
<i>Klebsiella pneumoniae</i>	6	15	0	83			83	100	100		50	83			83					83		83	83	75	100	
<i>Escherichia coli</i>	3	8	0	33			33	100	100		100	100			100					67	33	100	100	100		
<i>Enterobacter cloacae</i>	3	8	0	0			0	100	100		0	0			0					67	67	67	67	100		
ALL GRAM-POSITIVE BACTERIA	37	100	8	8	8		78	78	78	70	78	78			70	70					91				92	
<i>Staphylococcus aureus</i> , all isolates	31	84					84	84	84	84	84				74	74	97				100				100	100
- methicillin-susceptible	26	70					100	100	100	100	100				81	81	100				100				100	100
- methicillin-resistant (MRSA)	5	14					0	0	0	0	0				40	40	80				100				100	100
<i>Enterococcus faecium</i> , vancomycin-resistant (VRE)	3	8	0	0			0																		0	67
<i>Streptococcus pneumoniae</i>	3	8				100	100						100	100	100	100				67					100	

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- Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.
- ICUs include MSICU.

Organism-Specific Notes:

* *S. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

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Skin, Wound and Abscess Isolates – % 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	
≥80% Susceptible ■ 70-79% Susceptible ■ ≤69% Susceptible ■																							
#	%																						
ALL BACTERIA	8	—	25	13	50	75	25		13	38							25						
ALL GRAM-NEGATIVE BACTERIA	5	100	40	20	60	100	20			40	60				60		20	100	60	60			
<i>Pseudomonas aeruginosa</i>	2	40			50	100					50				100			100	100	100			
<i>Escherichia coli</i>	2	40	100	50	100	100				100	100				0		0	100					
<i>Enterobacter cloacae</i>	1	20	0	0	0	100	100		0	0	0				100		100	100	100	100			
ALL GRAM-POSITIVE BACTERIA	3	100			33	33	33	33	33	33			33				33					100	
Coagulase-negative staphylococci	1	33			0	0	0	0	0			100	0	100			0					100	100
<i>Staphylococcus aureus</i>	1	33			100	100	100	100	100			0	0	100			100					100	100
<i>Enterococcus faecium</i>	1	33	0	0	0																	100	

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Urine 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	Cephalexin	Ceftriaxone	Ceftazidime	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Nitrofurantoin	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
ALL BACTERIA	27	—	26	48	63	67	52	11	37	44	26	52	41	59							
ALL GRAM-NEGATIVE BACTERIA	15	100	14	53	60	100	73	47	60	67	60	53	53	87	80	80					
<i>Escherichia coli</i>	10	67	11	50	50	100	100	0	40	60	60	50	50	70	90	100	100				
<i>Klebsiella pneumoniae</i>	2	13	0	100	100	100		100	100	100	100	100	50	50	50						
<i>Pseudomonas aeruginosa</i>	1	7			100	100					100	100			100	100	100				
<i>Proteus mirabilis</i>	1	7	100	100	100	100		100	100	100	100	0	100	0	100						
<i>Providencia stuartii</i>	1	7	0	0	0	100	100	0	0	0	0	100	100	0	100	100	100	100			
ALL GRAM-POSITIVE BACTERIA	12	100	42	42	67	25	25	25	25	25	25	58	42	25	67					92	
<i>Enterococcus faecalis</i>	5	42	100	100	100							40	100		100					100	
<i>Enterococcus faecium</i> , all isolates	4	33	0	0	0							50	0		0					75	75
- vancomycin-susceptible	3	25	0	0	0							33	0		0					100	100
- vancomycin-resistant (VRE)	1	8	0	0	0							100	0		0					0	
<i>Staphylococcus aureus</i>	3	25			100	100	100	100	100	100		100		100	100					100	100

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