

Mount Sinai Hospital ANTIBIOGRAM
Emergency Department
January 1, 2014 - December 31, 2014

Blood Isolates – % Susceptible

[illegible]

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.

* 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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Emergency Department
January 1, 2016 - December 31, 2016

Respiratory Isolates – % Susceptible

<div>≥80% Susceptible</div> <div>70-79% Susceptible</div> <div>≤69% Susceptible</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	3	—	33	33				100	100	33			33												
ALL GRAM-NEGATIVE BACTERIA	2	100						100	100					100				100				100	100	100	
<i>Pseudomonas aeruginosa</i>	2	100						100	100					100				100				100	100	100	
ALL GRAM-POSITIVE BACTERIA	1	100	100	100	100	100	100	100	100			100	100		100	100									100
Group G streptococci**	1	100			100										100	100									100

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Year-Specific Notes:

- Susceptibility for cefazolin are not available for Gram-negative isolates from non-sterile site specimens for the current year.

Organism-Specific Notes:

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Skin, Wound and Abscess Isolates – % Susceptible

			<div> <div>≥80% Susceptible</div> <div>70-79% Susceptible</div> <div>≤69% Susceptible</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			297	—		4	6				78	83	72			68							87					
ALL GRAM-NEGATIVE BACTERIA			65	100	14	23					75	99	49			30	75					92		49	92	89	100	
<i>Pseudomonas aeruginosa</i>			31	48							97	97					97					100			100	100	100	
<i>Escherichia coli</i>			16	25	19	38					56	100	100			62	62					75		88	75	69	100	
<i>Proteus mirabilis</i>			5	8	100	100					100	100	100			100	100					100		100	80	80	100	
<i>Klebsiella pneumoniae</i>			3	5	0	100					100	100	100			100	100					100		100	100	100	100	
<i>Serratia marcescens</i>			3	5	0	0					0	100	100			0	0					100		100	100	67	100	
ALL GRAM-POSITIVE BACTERIA			232	100	2	2	1	79	78	78	78	78	78	78		73	60						98				100	
<i>Staphylococcus aureus</i> , all isolates			225	97				79	79	79	79	79				74	61	95					99				100	100
- methicillin-susceptible			178	77				100	100	100	100	100				75	69	98					100				100	100
- methicillin-resistant (MRSA)			47	20				0	0	0	0	0				68	30	85					94				100	100
Coagulase-negative staphylococci			3	1				67	67	67	67	67				67	33	100					100				100	100
<i>Enterococcus faecalis</i> , all isolates			2	1	100	100		100																			100	
- vancomycin-susceptible			2	1	100	100		100																			100	
- vancomycin-resistant (VRE)			0	0																								
Group B streptococci**			1	0				100									0	0									100	
Group A streptococci**			1	0				100									100	100									100	

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Urine Isolates – % Susceptible

		<div> <div>≥80% Susceptible</div> <div>70-79% Susceptible</div> <div>≤69% Susceptible</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				653	—	36	75		84	89	87			43	75		6	80	68	85					
ALL GRAM-NEGATIVE BACTERIA				563	100	30	75		82	100	97			46	83	86		83	75	84	91	90	100		
<i>Escherichia coli</i>				434	77	35	79		86	100	100			43	90	90		82	73	98	91	89	100		
<i>Klebsiella pneumoniae</i>				51	9	0	94		94	100	98			94	96	96		94	94	39	96	96	100		
<i>Proteus mirabilis</i>				21	4	76	95		100	100	100			81	100	100		76	95	0	95	95	100		
<i>Pseudomonas aeruginosa</i>				14	2				86	93						93		71			64	86	100		
<i>Citrobacter koseri</i>				10	2	0	0		0	100	100			0	0	0		100	100	90	100	100	100		
<i>Klebsiella oxytoca</i>				9	2	0	100		100	100	100			89	100	100		100	100	78	100	100	100		
<i>Enterobacter aerogenes</i>				7	1	0	0		0	100	100			0	0	0		100	100	43	100	100	100		
ALL GRAM-POSITIVE BACTERIA				90	100	76	76	2	96	22	22	20	22	22	22			43	59	20	96			99	100
<i>Enterococcus faecalis</i> , all isolates				63	70	100	100		100									29	81		100			100	
- vancomycin-susceptible				63	70	100	100		100									29	81		100			100	
- vancomycin-resistant (VRE)				0	0																				
<i>Staphylococcus aureus</i> , all isolates				19	21				95	95	95	95	95	95				94		94	100			100	100
- methicillin-susceptible				18	20				100	100	100	100	100	100				94		94	100			100	100
- methicillin-resistant (MRSA)				1	1				0	0	0	0	0	0				100		100	100			100	100
<i>Enterococcus faecium</i> , all isolates				5	6	40	40		40									40	20		40			100	100
- vancomycin-susceptible				5	6	40	40		40									40	20		40			100	100
- vancomycin-resistant (VRE)				0	0																				
- vancomycin-susceptible (vanA+)				0	0																				
Group B streptococci**				1	1			100																100	
<i>Enterococcus</i> species				1	1	100	100		100									0	0		100			100	
Group G streptococci**				1	1			100																	

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