

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

Blood 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
			22	44	73	79		76	62																	
ALL BACTERIA	233	—	22	44	73	79	76	62	75											77						
ALL GRAM-NEGATIVE BACTERIA	102	100	24	73	84	100	94	61	80	85									77		74	94	90	100		
<i>Escherichia coli</i>	61	60	36	75	85	100	100	69	87	87									67		67	90	84	100		
<i>Klebsiella pneumoniae</i>	21	21	0	100	100	100	100	95	100	100									95		100	100	100	100		
<i>Proteus mirabilis</i>	6	6	50	100	100	100	100	0	100	100									67		100	100	100	100		
<i>Pseudomonas aeruginosa</i>	5	5			100	100									100				100			100	100	100		
<i>Enterobacter cloacae</i>	3	3	0	0	0	100	100	0	0	0									100		67	100	100	100		
ALL GRAM-POSITIVE BACTERIA	131	100	21	21	18	65	62	62	44	62	71				77	51					85				100	
Coagulase-negative staphylococci	75	57			58	58	58	58	58						77	38	100				85				100	100
<i>Staphylococcus aureus</i> , all isolates	16	12			88	88	88	88	88						82	75	100				100				100	100
- methicillin-susceptible	14	11			100	100	100	100	100						86	86	100				100				100	100
- methicillin-resistant (MRSA)	2	2			0	0	0	0	0						50	0	100				100				100	100
Viridans group streptococci *	13	10											92												100	
Group A streptococci**	9	7			100										89	89									100	
Group B streptococci**	8	6			100										75	75									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 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.

Mount Sinai Hospital ANTIBIOGRAM Emergency Department January 1, 2016 - December 31, 2016

Respiratory Isolates – % Susceptible

	#	%	Antibiotics																				
			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
Group G streptococci**	1	100			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.

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:

** 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.

Mount Sinai Hospital ANTIBIOGRAM Emergency Department January 1, 2016 - December 31, 2016

Urine Isolates – % Susceptible

	#	%	Antibiotics																			
			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																

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:

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

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.