

Toronto General Hospital ANTIBIOGRAM
Emergency Department
January 1, 2016 - December 31, 2016

Blood 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	644	—	18	36			70	78	74		59	69									75					
ALL GRAM-NEGATIVE BACTERIA	262	100	19	64			75	100	92		54	72			78					76	68	89	86	99		
<i>Escherichia coli</i>	153	58	30	67			75	100	99		61	79			79					68	65	83	80	99		
<i>Klebsiella pneumoniae</i>	53	20	0	92			92	100	98		86	92			92					89	83	96	94	100		
<i>Pseudomonas aeruginosa</i>	15	6					93	100							100					93		100	100	100		
<i>Enterobacter cloacae</i>	13	5	0	0			0	100	100		0	0			0					85	85	100	100	100		
<i>Klebsiella oxytoca</i>	11	4	0	100			100	100	100		20	100			100					100	100	100	100	100		
<i>Proteus mirabilis</i>	5	2	20	60			80	100	100		20	80			80					20	40	80	80	100		
ALL GRAM-POSITIVE BACTERIA	382	100	17	17	14		67	63	63	48	63	67				70	51				80				100	
Coagulase-negative staphylococci	233	61					55	55	55	55	55					71	45	90			80				100	100
<i>Staphylococcus aureus</i> , all isolates	64	17					89	89	89	89	89					75	70	95			100				100	100
- methicillin-susceptible	57	15					100	100	100	100	100					75	72	96			100				100	100
- methicillin-resistant (MRSA)	7	2					0	0	0	0	0					71	57	86			100				100	100
Viridans group streptococci*	30	8			57							100													97	
<i>Streptococcus pneumoniae</i>	15	4				79	100						100	100		80	60			93					100	
<i>Enterococcus faecalis</i> , all isolates	10	3	100	100			100																		100	
- vancomycin-susceptible	10	3	100	100			100																		100	
- vancomycin-resistant (VRE)	0	0																								
Group B streptococci**	9	2			100											56	56								100	
Group A streptococci**	8	2			100											100	100								100	
Group G streptococci**	5	1			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:

- 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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Skin, Wound and Abscess 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	8	—	12	62	100	100			62							63						
ALL GRAM-NEGATIVE BACTERIA	4	100	25	25	100	100			25	25					25	25	50	50	100			
<i>Escherichia coli</i>	3	75	0	33	33	100	100			33	33				0	0	33	33	100			
<i>Enterobacter cloacae</i>	1	25	0	0	0	100	100			0	0				100	100	100	100	100			
ALL GRAM-POSITIVE BACTERIA	4	100			100	100	100	100	100	25	25					100					100	
<i>Staphylococcus aureus</i> , all isolates	4	100			100	100	100	100	100	25	25	0			100						100	100
- methicillin-susceptible	4	100			100	100	100	100	100	25	25	0			100						100	100
- methicillin-resistant (MRSA)	0	0																				

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.

“ *S. saprophyticus*: Susceptibility testing is not routinely performed. Most urinary tract infections due to this organism respond to nitrofurantoin, trimethoprim/sulfamethoxazole or fluoroquinolones.