

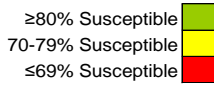
Toronto Western Hospital ANTIBIOGRAM

Wards other than ICUs/Emergency

January 1, 2020 - December 31, 2020

Blood Isolates – % Susceptible

	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid



ALL BACTERIA	337	—	10	26	63	65	62		51	61						61					
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ALL GRAM-NEGATIVE BACTERIA	99	100	12	67	79	99	91		52	73	81				87	78	98	96	100		
<i>Escherichia coli</i>	55	56	20	85	93	100	100		73	95	95				85	85	98	96	100		
<i>Klebsiella pneumoniae</i>	13	13	0	92	85	100	100		83	92	92				85	92	92	83	100		
<i>Pseudomonas aeruginosa</i>	8	8			100	88					100				75		100	100	100		
<i>Enterobacter cloacae</i>	8	8	0	0	0	100	100		0	0	0				100	88	100	100	100		
<i>Klebsiella oxytoca</i>	4	4	0	100	100	100	100		25	100	100				100	100	100	100	100		
<i>Proteus mirabilis</i>	4	4	0	75	75	100	100		0	75	75				75	25	100	100	100		
<i>Serratia marcescens</i>	4	4	0	0	0	100	100		0	0	0				100	100	100	100	100		

ALL GRAM-POSITIVE BACTERIA	238	100	9	9	56	50	50	47	50	56		85	49		53				99	
Coagulase-negative staphylococci	158	66			50	50	50	50	50			100	50	100	50				100	100
<i>Staphylococcus aureus</i> , all isolates	37	16			86	86	86	86	86			75	67	90	97				100	100
- methicillin-susceptible	32	13			100	100	100	100	100			81	78	91	100				100	100
- methicillin-resistant (MRSA)	5	2			0	0	0	0	0			40	0	80	80				100	100
<i>Enterococcus faecalis</i>	13	5	100	100	100														100	
Viridans group streptococci ^o	13	5							100										100	
<i>Enterococcus faecium</i> , all isolates	8	3	13	13	13														75	
- vancomycin-susceptible	6	3	17	17	17														100	
- vancomycin-resistant (VRE)	2	1	0	0	0														0	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

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.

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Respiratory Isolates – % Susceptible

	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	
ALL BACTERIA	52	—	13	19	80	90	33		19	44							52						
ALL GRAM-NEGATIVE BACTERIA	40	100	18	25	79	92	18			32	75				78		41	90	80	80			
<i>Pseudomonas aeruginosa</i>	18	45			94	88					94				78			83	89	94			
<i>Haemophilus influenzae</i> ^{^^}	6	15	67																				
<i>Serratia marcescens</i>	5	13	0	0	0	100	100		0	0	0				80		100	100	100	100			
<i>Escherichia coli</i>	2	5	100	100	100	100				100	100				100		100	100					
<i>Moraxella catarrhalis</i> [^]	2	5																					
<i>Stenotrophomonas maltophilia</i> [']	2	5														100	100						
ALL GRAM-POSITIVE BACTERIA	12	100			83	83	83	83	83	83		75	75				83					83	
<i>Staphylococcus aureus</i> , all isolates	10	83			100	100	100	100	100			90	90	90			100					100	100
- methicillin-susceptible	10	83			100	100	100	100	100			90	90	90			100					100	100
<i>Mycobacterium tuberculosis complex</i>	2	17																					

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

Organism-Specific Notes:

- [^] *M. catarrhalis*: Susceptibility testing is not routinely performed. Most isolates are resistant to ampicillin and amoxicillin but are generally susceptible to other antibiotics commonly used for respiratory infections.
- ^{^^} *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.
- ['] *S. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

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Wards other than ICUs/Emergency

January 1, 2020 - December 31, 2020

Skin, Wound and Abscess Isolates – % Susceptible

	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid

≥80% Susceptible ■
 70-79% Susceptible ■
 ≤69% Susceptible ■

ALL BACTERIA	217	—	12	21	74	80	64	47	54								71						
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ALL GRAM-NEGATIVE BACTERIA	89	100	2	26	62	94	55	14	29	62						86	55	95	91	95			
<i>Pseudomonas aeruginosa</i>	33	37			94	85				91						91		97	100	97			
<i>Escherichia coli</i>	18	20	0	89	89	100	100	50	89	89						72	72	83	75	100			
<i>Enterobacter cloacae</i>	13	15	0	0	0	100	85	0	0	0						100	100	100	100	100			
<i>Klebsiella pneumoniae</i>	7	8	0	57	57	100	100	50	83	83						71	71	100	100	100			
<i>Serratia marcescens</i>	4	4	0	0	0	100	100	0	0	0						100	100	100	100	100			

ALL GRAM-POSITIVE BACTERIA	128	100	18	18	6	82	70	70	64	70	71	63	56				83						98	
<i>Staphylococcus aureus</i> , all isolates	86	67				87	87	87	87	87			75	66	98		100						100	100
- methicillin-susceptible	75	59				100	100	100	100	100			77	72	99		100						100	100
- methicillin-resistant (MRSA)	11	9				0	0	0	0	0			64	27	91		100						100	100
Coagulase-negative staphylococci	14	11				50	50	50	50	50			69	69	100		93						100	100
<i>Enterococcus faecalis</i>	14	11	100	100		100																	100	
Group A streptococci**	5	4				100							100	100									100	
<i>Enterococcus faecium</i> , all isolates	4	3	0	0		0																	75	
- vancomycin-susceptible	3	2	0	0		0																	100	
- vancomycin-resistant (VRE)	1	1	0	0		0																	0	

General Notes:

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

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.

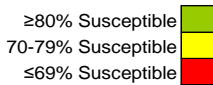
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January 1, 2020 - December 31, 2020

Urine Isolates – % Susceptible

	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Cephalexin	Ceftriaxone	Ceftazidime	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Nitrofurantoin	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid



ALL BACTERIA	627	—	23	65	77	73	64		3	47	50			78	55	71					
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ALL GRAM-NEGATIVE BACTERIA	451	100		58	73	99	87		1	62	66	75		82	73	63	93	56	94		
<i>Escherichia coli</i>	246	55	0	69	78	100	100		2	77	82	82	100	75	76	95	91	42	100		
<i>Klebsiella pneumoniae</i>	60	13	0	93	92	100	100		0	93	95	95		93	93	25	98	50	100		
<i>Pseudomonas aeruginosa</i>	46	10			91	91						93		91			96	98	98		
<i>Proteus mirabilis</i>	30	7	0	90	93	100	100		0	90	93	93	0	80	77	0	93	67	50		
<i>Enterobacter cloacae</i>	19	4	0	0	0	100	100		0	0	0	0		83	84	47	100	100	100		
<i>Klebsiella oxytoca</i>	12	3	0	92	92	100			0	75	92	92		100	100	83	100				
<i>Citrobacter freundii</i>	8	2	0	0	0	100	100		0	0	0	0		100	75	88	88	100	100		
<i>Klebsiella aerogenes</i>	7	2	0	0	0	100	86		0	0	0	0		100	100	29	100	100	100		
<i>Citrobacter koseri</i>	5	1	0	0	0	100	100		0	0	0	0		100	100	40	100	100	100		
<i>Morganella morganii</i>	5	1	0	0	0	100	100		0	0	0	0		80	80	0	80	100	100		
<i>Serratia marcescens</i>	5	1	0	0	0	100	100		0	0	0	0		100	100	0	100	100	100		

ALL GRAM-POSITIVE BACTERIA	176	100	82	82	89	7	7	7	7	7	7		35	69	9	91				96	99
<i>Enterococcus faecalis</i>	143	81	99	99	99								31	84		99				99	100
<i>Enterococcus faecium</i> , all isolates	16	9	6	6	6								13	6		6				63	100
- vancomycin-susceptible	10	6	10	10	10								20	10		10				100	100
- vancomycin-resistant (VRE)	6	3	0	0	0								0	0		0				0	100
<i>Staphylococcus aureus</i> , all isolates	14	8			86	86	86	86	86	86			93		100	100				100	100
- methicillin-susceptible	12	7			100	100	100	100	100	100			92		100	100				100	100
- methicillin-resistant (MRSA)	2	1			0	0	0	0	0	0			100		100	100				100	100
Coagulase-negative staphylococci	2	1			50	50	50	50	50				100		100	100				100	100
<i>Enterococcus gallinarum</i>	1	1	100	100	100								0	100		100				100	

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