

**Toronto Western Hospital ANTIBIOGRAM**  
**Wards other than ICUs/Emergency**  
**January 1, 2019 - December 31, 2019**

**Blood Isolates – % Susceptible**

		<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;"> <p>≥80% Susceptible <span style="color: green;">■</span></p> <p>70-79% Susceptible <span style="color: yellow;">■</span></p> <p>≤69% Susceptible <span style="color: red;">■</span></p> </div> <div style="text-align: center;"> <p>#      %</p> </div> </div>																						
		Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	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
<b>ALL BACTERIA</b>	286	11	25		64	66	64		56	64									74					
<b>ALL GRAM-NEGATIVE BACTERIA</b>	83	100	18	67	77	96	89		60	72			78				82		70	94	93	100		
<i>Escherichia coli</i>	41	49	27	85	95	100	100		72	95			95				85		76	90	93	100		
<i>Klebsiella pneumoniae</i>	20	24	0	70	70	100	100		65	70			70				80		70	95	85	100		
<i>Pseudomonas aeruginosa</i>	9	11			44	67							56				67			100	100	100		
<i>Proteus mirabilis</i>	5	6	80	100	100	100	100		100	100			100				80		100	100	100	100		
<i>Enterobacter cloacae</i>	3	4	0	0	0	100	100		0	0			0				100		100	100	100	100		
<b>ALL GRAM-POSITIVE BACTERIA</b>	203	100	7	7	3	59	54	54	51	54	60			70	36				75				99	
Coagulase-negative staphylococci	134	66				50	50	50	50	50				75	25	100			75				100	100
<i>Staphylococcus aureus</i> , all isolates	39	19				95	95	95	95	95				77	72	97			100				100	100
- methicillin-susceptible	37	18				100	100	100	100	100				76	73	100			100				100	100
- methicillin-resistant (MRSA)	2	1				0	0	0	0	0				100	50	50			100				100	100
<i>Enterococcus faecalis</i> , all isolates	9	4	100	100		100																	100	
- vancomycin-susceptible	9	4	100	100		100																	100	
- vancomycin-resistant (VRE)	0	0																						
Viridans group streptococci*	9	4								100														100
Group B streptococci**	4	2			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 [redacted].

**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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**January 1, 2019 - December 31, 2019**

**Respiratory Isolates – % Susceptible**

		≥80% Susceptible <span style="color: green;">■</span> 70-79% Susceptible <span style="color: yellow;">■</span> ≤69% Susceptible <span style="color: red;">■</span>																								
#	%	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
<b>ALL BACTERIA</b>	62	—	21	26			73	70	35		34	53										49				
<b>ALL GRAM-NEGATIVE BACTERIA</b>	31	100	26	35			83	76	6		3	41			84				71		24	95	95	90		
<i>Pseudomonas aeruginosa</i>	16	52					75	56							88				81			94	100	94		
<i>Haemophilus influenzae</i> <sup>^^</sup>	9	29	89																							
<i>Stenotrophomonas maltophilia</i> <sup>†</sup>	2	6																		0	100					
<i>Escherichia coli</i>	1	3	0	0			0	100	100		0	0			0				0		100	100	100	100		
<i>Klebsiella pneumoniae</i>	1	3	0	100			100	100	100		100	100			100				100		100	100	100	100		
<i>Klebsiella oxytoca</i>	1	3	0	100			100	100				100			100				100		100	100				
<i>Moraxella catarrhalis</i> <sup>^</sup>	1	3																								
<b>ALL GRAM-POSITIVE BACTERIA</b>	31	100	16	16	16		64	64	64	48	64	64				67	61				69				81	
<i>Staphylococcus aureus</i> , all isolates	17	55					82	82	82	82	82					83	77	94			100				100	100
- methicillin-susceptible	14	45					100	100	100	100	100					86	86	100			100				100	100
- methicillin-resistant (MRSA)	3	10					0	0	0	0	0					67	33	67			100				100	100
<i>Mycobacterium tuberculosis complex</i>	6	19																								
<i>Streptococcus pneumoniae</i>	5	16				100	100						100	100		75	60			100					100	
Coagulase-negative staphylococci	3	10					33	33	33	33	33					100	100	100			33				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.
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- 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.

**Organism-Specific Notes:**

- <sup>^</sup> *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.
- <sup>^^</sup> *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.
- <sup>†</sup> *S. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.



# Toronto Western Hospital ANTIBIOGRAM

## Wards other than ICUs/Emergency

### January 1, 2019 - December 31, 2019

#### Urine Isolates – % Susceptible

		<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p>≥80% Susceptible <span style="color: green;">■</span></p> <p>70-79% Susceptible <span style="color: yellow;">■</span></p> <p>≤69% Susceptible <span style="color: red;">■</span></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
<b>ALL BACTERIA</b>	629	—	32	64	76	80	74	3	54	57	7	75	57	72							
<b>ALL GRAM-NEGATIVE BACTERIA</b>	494	100	21	62	74	100	91	1	67	70	76	79	69	69	91	87	99				
<i>Escherichia coli</i>	315	64	26	69	76	100	100	2	76	80	80	72	70	94	89	84	99				
<i>Klebsiella pneumoniae</i>	63	13	0	87	86	100	100	0	89	89	89	87	84	32	95	86	100				
<i>Pseudomonas aeruginosa</i>	39	8			92	95					90	97			95	100	92				
<i>Proteus mirabilis</i>	30	6	71	93	100	100	100		97	100	100	77	80	0	93	95	100				
<i>Enterobacter cloacae</i>	21	4	0	0	0	100	86	0	0	0	0	95	95	57	95	95	100				
<i>Morganella morganii</i>	5	1	0	0	0	100	100	0	0	0	0	100	100	0	100	100	100				
<i>Citrobacter koseri</i>	5	1	0	0	0	100	100	0	0	0	0	100	100	100	100	100	100				
<b>ALL GRAM-POSITIVE BACTERIA</b>	135	100	74	74	84	10	10	10	10	10	10	34	62	11	85					97	
<i>Enterococcus faecalis</i> , all isolates	99	73	100	100	100							23	83		98					100	
- vancomycin-susceptible	99	73	100	100	100							23	83		98					100	
- vancomycin-resistant (VRE)	0	0																			
<i>Enterococcus faecium</i> , all isolates	20	15	5	5	5							40	5		15					80	100
- vancomycin-susceptible	16	12	6	6	6							38	6		19					100	100
- vancomycin-resistant (VRE)	4	3	0	0	0							50	0		0					0	100
- vancomycin-susceptible (vanA+)	0	0																			
<i>Staphylococcus aureus</i> , all isolates	15	11			87	87	87	87	87	87		93		100	93					100	100
- methicillin-susceptible	13	10			100	100	100	100	100	100		92		100	92					100	100
- methicillin-resistant (MRSA)	2	1			0	0	0	0	0	0		100		100	100					100	100
Coagulase-negative staphylococci	1	1			100	100	100	100	100			100	100	0	100					100	

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