





**Toronto Western Hospital ANTIBIOGRAM**  
**Intensive Care Units**  
**January 1, 2022 - December 31, 2022**

**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 V (meningitis)	Penicillin V (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	Daptomycin
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<b>ALL BACTERIA</b>	249	—	8	19			75	86	48			35	59							74							
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<b>ALL GRAM-NEGATIVE BACTERIA</b>	147	100	14	33			67	92	26			43		67					77		55	88	76	72				
<i>Pseudomonas aeruginosa</i>	47	32					73	80						84					91			76	93	80				
<i>Haemophilus influenzae</i> <sup>^^</sup>	22	15	86																									
<i>Escherichia coli</i>	12	8	0	50			67	100	100			67		67					50		58	92	100	100				
<i>Klebsiella pneumoniae</i>	12	8	0	100			100	100				100		100					83		100	100						
<i>Stenotrophomonas maltophilia</i> <sup>†</sup>	11	7																		82	100							
<i>Enterobacter cloacae</i>	10	7	0	0			0	100	100			0		0					89		90	100	89	100				
<i>Klebsiella aerogenes</i>	8	5	0	0			0	100	100			0		0					100		100	100	100	100				
<i>Moraxella catarrhalis</i> <sup>*</sup>	7	5																										
<i>Serratia marcescens</i>	6	4	0	0			0	100	100			0		0					67		100	100	100	100				
<i>Klebsiella oxytoca</i>	5	3	0	100			100	100				100		100					100		100	100						

<b>ALL GRAM-POSITIVE BACTERIA</b>	102	100					86	80	80	80	80	80				78	67			98							98	
<i>Staphylococcus aureus</i> , all isolates	94	92					87	87	87	87	87					78	68	97		100						100	100	
- methicillin-susceptible	82	80					100	100	100	100	100					79	74	96		100						100	100	
- methicillin-resistant (MRSA)	12	12					0	0	0	0	0					73	27	100		100						100	100	
<i>Streptococcus pneumoniae</i>	7	7			100	100							0	100		100	71			100						100		
<i>Enterococcus faecium</i> , all isolates	1	1	0	0			0																			0		
- vancomycin-resistant (VRE)	1	1	0	0			0																			0	100	100
<i>Staphylococcus lugdunensis</i>	1	1					100	100	100	100	100					100	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.
- ICUs include MSICU, NICU.

**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

## Intensive Care Units

### January 1, 2022 - December 31, 2022

#### Urine Isolates – % Susceptible

		Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Cephalexin	Ceftriaxone	Ceftazidime	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Nitrofurantoin	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	Daptomycin
≥80% Susceptible	<span style="display: inline-block; width: 15px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span>																					
70-79% Susceptible	<span style="display: inline-block; width: 15px; height: 10px; background-color: #FFFF00; border: 1px solid black;"></span>																					
≤69% Susceptible	<span style="display: inline-block; width: 15px; height: 10px; background-color: #FF0000; border: 1px solid black;"></span>																					
#	%																					

<b>ALL BACTERIA</b>	129	—	23	54	70	73	59	5	37					72	49	67						
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<b>ALL GRAM-NEGATIVE BACTERIA</b>	96	100	2	43	64	98	79				50	64		68	64	60	91	58	97		
<i>Escherichia coli</i>	49	51	0	60	69	100	100				73	73		50	73	96	88	40	100		
<i>Pseudomonas aeruginosa</i>	18	19			78	89						78		89			89	100	94		
<i>Klebsiella pneumoniae</i>	12	13	0	73	75	100	100				73	73		83	82	25	100	50	100		
<i>Morganella morganii</i>	5	5	0	0	20	100	100			0	0	0		80	100	20	100	100	100		
<i>Klebsiella aerogenes</i>	3	3	0	0	33	100	100			0	0	0		100	100	33	100	100	100		
<i>Klebsiella oxytoca</i>	3	3	0	33	33	100	100				33	33		67	67	100	67	0	100		

<b>ALL GRAM-POSITIVE BACTERIA</b>	33	100	85	85	85									39	85	3	85				97
<i>Enterococcus faecalis</i>	27	82	100	100	100									37	100		100				100
<i>Enterococcus faecium</i> , all isolates	5	15	20	20	20									40	20		0				80
- vancomycin-susceptible	4	12	25	25	25									50	25		0				100
- vancomycin-resistant (VRE)	1	3	0	0	0									0	0		0				0
<i>Staphylococcus aureus</i> , all isolates	1	3			0	0	0	0	0	0	0			100		100	100				100
- methicillin-resistant (MRSA)	1	3			0	0	0	0	0	0				100		100	100				100

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