

Toronto Western Hospital ANTIBIOGRAM Emergency Department January 1, 2021 - December 31, 2021

Respiratory Isolates – % Susceptible

≥80% Susceptible ■ 70-79% Susceptible ■ ≤69% Susceptible ■	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
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ALL BACTERIA	12	—	17	25	58	64	17		8	42						44					
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ALL GRAM-NEGATIVE BACTERIA	8	100	25	38	75	84	13		38	75					83	33	100	83	83		
<i>Pseudomonas aeruginosa</i>	4	50			75	67				75					75		100	100	100		
<i>Haemophilus influenzae</i> ^{^^}	2	25	100																		
<i>Klebsiella pneumoniae</i>	1	13	0	100	100	100				100	100				100	100	100				
<i>Serratia marcescens</i>	1	13	0	0	0	100	100		0	0	0				100	100	100	100	100		

ALL GRAM-POSITIVE BACTERIA	4	100		25	25	25	25	25	50		33	33			67				75	
Coagulase-negative staphylococci	2	50		50	50	50	50	50			50	50	100		100				100	100
<i>Mycobacterium tuberculosis complex</i>	1	25																		
Viridans group streptococci [°]	1	25							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.

Organism-Specific Notes:

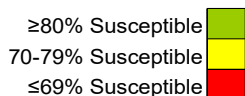
^{^^} H. influenzae and H. parainfluenzae: Susceptibility to ampicillin was determined using beta-lactamase testing. Beta-lactamase-positive isolates are resistant to ampicillin but are generally susceptible to amoxicillin-clavulanic acid and cefuroxime.

[°] 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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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



ALL BACTERIA	743	—	17	70	80	84	80	15	62	65	6	77	64	74									
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ALL GRAM-NEGATIVE BACTERIA	608	100	6	69	79	100	94	14	72	76	81	80	75	71	94	59	95						
<i>Escherichia coli</i>	404	66	6	79	85	100	100	16	84	88	88	75	75	96	92	55	100						
<i>Klebsiella pneumoniae</i>	66	11	0	82	82	100	100	18	83	86	86	85	82	26	97	62	88						
<i>Proteus mirabilis</i>	40	7	25	90	92	100	100	25	85	92	92	88	85	0	92	0	50						
<i>Pseudomonas aeruginosa</i>	31	5			100	100						100		97			100	100	97				
<i>Klebsiella oxytoca</i>	15	2	0	87	87	100	100	0	67	87	87	93	93	73	100	100	100						
<i>Enterobacter cloacae</i>	12	2	0	0	0	92	83	0	0	0	0	83	83	33	92	75	92						
<i>Citrobacter koseri</i>	10	2	0	0	0	100	100	0	0	0	0	100	100	70	100	100	100						
<i>Klebsiella aerogenes</i>	9	1	0	0	0	89	89	0	0	0	0	100	100	22	100	100	100						
<i>Morganella morganii</i>	6	1	0	0	0	100	100	0	0	0	0	100	100	0	100	100	100						

ALL GRAM-POSITIVE BACTERIA	135	100	70	70	86	16	16	16	16	16	16	32	66	14	88						97	28
<i>Enterococcus faecalis</i>	96	71	100	100	100							22	86		98						99	
<i>Staphylococcus aureus</i> , all isolates	18	13			83	83	83	83	83	83		100		100	94						100	100
- methicillin-susceptible	15	11			100	100	100	100	100	100		100		100	93						100	100
- methicillin-resistant (MRSA)	3	2			0	0	0	0	0	0		100		100	100						100	100
<i>Enterococcus faecium</i> , all isolates	12	9	0	0	0							17	0		17						92	100
- vancomycin-susceptible	11	8	0	0	0							18	0		18						100	100
- vancomycin-resistant (VRE)	1	1	0	0	0							0	0		0						0	100
<i>Staphylococcus saprophyticus</i>	9	7																				
<i>Staphylococcus lugdunensis</i>	2	1			100	100	100	100	100	100		100		100	100						100	100

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Organism-Specific Notes:

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