

Toronto Grace Hospital ANTIBIOGRAM All Inpatients January 1, 2020 - December 31, 2020

Respiratory Isolates – % Susceptible

		Ampicillin	Amoxicillin-Clavulanic acid	Penicillin			Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancocin	Linezolid	
#	%																								
ALL BACTERIA	673	—	19	72			82	86	74		7	68							68						
ALL GRAM-NEGATIVE BACTERIA	557	100	7	71			80	100	86		5	78	82				75		78	92	61	90			
<i>Pseudomonas aeruginosa</i>	25	4					96	92				96					87			92	92	92			
<i>Klebsiella pneumoniae</i>	69	12	0	94			94	100	100		0	94	94				90		94	97	100	100			
<i>Serratia marcescens</i>	6	1	0	0			0	100	100		0	0	0				67		100	100	83	100			
<i>Moraxella catarrhalis</i> [^]	0	0																							
<i>Escherichia coli</i>	369	66	0	76			83	100	100		7	86	86				59		78	90	56	100			
<i>Stenotrophomonas maltophilia</i> [†]	20	4															70	100							
ALL GRAM-POSITIVE BACTERIA	116	100	75	75	5		94	19	19	19	19	19		63	53				17					98	
<i>Staphylococcus aureus</i>	17	15					82	82	82	82	82			75	61	89			100					100	100
<i>Streptococcus pneumoniae</i>	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.

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.
- [†] *S. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

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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

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

ALL BACTERIA	84	—	39	57	80	74				41	46			51	37	55					
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ALL GRAM-NEGATIVE BACTERIA	62	100	23	47	76	98				53	61	77		52	48	40	89	44	76		
<i>Escherichia coli</i>	25	40	0	52	76	100	100			64	80	80		44	44	92	84	33	100		
<i>Proteus mirabilis</i>	14	23	100	86	100	100				93	100	100		50	79	0	100				
<i>Pseudomonas aeruginosa</i>	11	18			91	91						91		55			100	100	100		
<i>Klebsiella pneumoniae</i>	5	8	0	80	80	100	100		0	80	80	80		100	80	40	100	100	100		
<i>Enterobacter cloacae</i>	2	3	0	0	0	100	100		0	0	0	0		0	0	0	0	0	0	100	
<i>Providencia stuartii</i>	2	3	0	0	0	100	100		0	0	0	0		0	50	0	50	50	100		

ALL GRAM-POSITIVE BACTERIA	22	100	86	86	91	5	5	5	5	5	5		41	50	5	95					100
<i>Enterococcus faecalis</i>	19	86	100	100	100								37	58		100					100
<i>Enterococcus faecium</i>	2	9	0	0	0								50	0		50					100
<i>Staphylococcus aureus</i>	1	5			100	100	100	100	100	100			100		100	100					100

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All Non-Urine Isolates – % Susceptible

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

≥80% Susceptible ■
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ALL BACTERIA	88	—	5	9				79	90	38		27	35							43					
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ALL GRAM-NEGATIVE BACTERIA	63	100	3	10				74	90	17		2	15	71				62		22	79	82	95		
<i>Pseudomonas aeruginosa</i>	45	71						80	87					80				69			80	91	98		
<i>Escherichia coli</i>	4	6	0	50				50	100	100		33	50	50				25		50	75	67	100		
<i>Klebsiella pneumoniae</i>	3	5	0	67				67	100	100		0	67	67				100		100	67	0	100		
<i>Serratia marcescens</i>	3	5	0	0				0	100	100		0	0	0				33		100	100	100	100		

ALL GRAM-POSITIVE BACTERIA	25	100	8	8	4			92	88	88	84	88	84		60	56				96					100
<i>Staphylococcus aureus</i> , all isolates	20	80						90	90	90	90	90			55	50	90			100				100	100
- methicillin-susceptible	18	72						100	100	100	100	100			50	50	89			100				100	100
- methicillin-resistant (MRSA)	2	8						0	0	0	0	0			100	50	100			100				100	100
Coagulase-negative staphylococci	3	12						100	100	100	100	100			100	100	100			100				100	100
<i>Streptococcus pneumoniae</i>	1	4						100	100						100	100			100					100	

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