

Toronto Western Hospital ANTIBIOGRAM

Wards other than ICUs/Emergency

January 1, 2021 - December 31, 2021

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

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

ALL BACTERIA	314	—	10	15	52	55	53		43	52						67					
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ALL GRAM-NEGATIVE BACTERIA	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
<i>Escherichia coli</i>	33	49	43	61	70	100	100		58	82	82				70	73	82	88	97		
<i>Enterobacter cloacae</i>	8	12	0	0	0	100	88		0	0	0				100	75	75	75	100		
<i>Klebsiella pneumoniae</i>	7	10	0	86	86	100	100		86	86	86				100	100	100	100	100		
<i>Pseudomonas aeruginosa</i>	6	9			100	67					100				83		100	100	100		
<i>Klebsiella oxytoca</i>	5	7	0	100	100	100	100		40	100	100				100	100	100	100	100		

ALL GRAM-POSITIVE BACTERIA	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	
Coagulase-negative staphylococci	175	71			38	38	38	38	38			31	23	92		62					92	92
<i>Staphylococcus aureus</i> , all isolates	48	19			94	94	94	94	94			86	77	98		100					100	100
- methicillin-susceptible	45	18			100	100	100	100	100			87	78	100		100					100	100
- methicillin-resistant (MRSA)	3	1			0	0	0	0	0			67	67	67		100					100	100
Viridans group streptococci*	17	7								82											100	
<i>Enterococcus faecium</i> , all isolates	6	2	17	17	17																83	
- vancomycin-susceptible	5	2	20	20	20																100	
- vancomycin-resistant (VRE)	1	0	0	0	0																0	100
<i>Enterococcus faecalis</i>	11	4	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.

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 vancomycin. If you have any questions, please contact the UHN/MSH Department of Microbiology.

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.

Toronto General Hospital ANTIBIOGRAM

Wards other than ICUs/Emergency

January 1, 2021 - December 31, 2021

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

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

ALL BACTERIA	69	—	3	16	79	86	48		39	48							53					
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ALL GRAM-NEGATIVE BACTERIA	46	100	4	24	72	84	26		13	25	72			95		30	83	93	92		
<i>Pseudomonas aeruginosa</i>	29	63			72	75					76			100			76	90	89		
<i>Klebsiella pneumoniae</i>	5	11	0	100	100	100	100		100	100	100			100		100	100	100	100		
<i>Escherichia coli</i>	3	7	0	67	67	100	100		0	67	67			100		67	100	100	100		
<i>Haemophilus influenzae</i> ^{^^}	3	7	67																		
<i>Enterobacter cloacae</i>	2	4	0	0	0	100	100		0	0	0			100		100	100	100	100		
<i>Stenotrophomonas maltophilia</i> [†]	2	4													100	100					

ALL GRAM-POSITIVE BACTERIA	23	100			91	91	91	91	91	91	91		87	78			96					
<i>Staphylococcus aureus</i> , all isolates	21	91			95	95	95	95	95				90	81	90		100				100	100
- methicillin-susceptible	20	87			100	100	100	100	100				90	85	90		100				100	100
- methicillin-resistant (MRSA)	1	4			0	0	0	0	0				100	0	100		100				100	100
Coagulase-negative staphylococci	1	4			100	100	100	100	100				100	100	100		100				100	100
<i>Mycobacterium tuberculosis complex</i>	1	4																				

General Notes:

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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:

^{^^} *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.

Toronto Western Hospital ANTIBIOGRAM Wards other than ICUs/Emergency January 1, 2021 - December 31, 2021

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	216	—	12	21		77	84	67		55	59						70					
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ALL GRAM-NEGATIVE BACTERIA	89	100	11	34		74	99	55		27	35	74					90	54	96	94	96	
<i>Pseudomonas aeruginosa</i>	37	42				92	97					95					95		97	100	97	
<i>Escherichia coli</i>	20	22	20	75		80	100	100		64	80	80					75	85	95	80	90	
<i>Enterobacter cloacae</i>	7	8	0	0		0	100	100		0	0	0					100	86	86	86	100	
<i>Klebsiella pneumoniae</i>	7	8	0	86		86	100	100		75	86	86					100	100	100	100	100	
<i>Proteus mirabilis</i>	6	7	100	100		100	100	100		100	100	100					83	100	100	100	100	

ALL GRAM-POSITIVE BACTERIA	127	100	13	13	8	80	75	75	67	75	75		67	57			82						
<i>Staphylococcus aureus</i> , all isolates	75	59				89	89	89	89	89			82	71	99		99					100	100
- methicillin-susceptible	67	53				100	100	100	100	100			81	78	99		99					100	100
- methicillin-resistant (MRSA)	8	6				0	0	0	0	0			88	12	100		100					100	100
Coagulase-negative staphylococci	33	26				67	67	67	67	67			67	52	94		79					100	100
<i>Enterococcus faecalis</i>	7	6	100	100		100																100	
<i>Staphylococcus lugdunensis</i>	6	5				83	83	83	83	83			83	83	100		100					100	100
<i>Streptococcus anginosus</i> group ^{°°}	5	4			100							100										100	

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Organism-Specific Notes:

^{°°} *S. anginosus* group: Please note that only a small proportion of these isolates were tested for susceptibilities. Please take this into consideration when interpreting the reported results.

Toronto Western Hospital ANTIBIOGRAM

Wards other than ICUs/Emergency

January 1, 2021 - December 31, 2021

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	673	—	19	60	75	79	67		7	47	51		6	79	56	66				
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ALL GRAM-NEGATIVE BACTERIA	#	%	2	56	72	99	83		7	58	63	74	82	69	60	93	75	95		
<i>Escherichia coli</i>	275	52	1	70	77	100	100		4	75	81	81	74	73	97	89	59	95		
<i>Pseudomonas aeruginosa</i>	67	13			94	96						94	93			100	100	97		
<i>Klebsiella pneumoniae</i>	54	10	0	80	80	100	100		11	83	85	85	85	81	26	96	71	86		
<i>Proteus mirabilis</i>	48	9	20	90	96	100	100		20	92	96	96	92	85	0	96	100	100		
<i>Enterobacter cloacae</i>	24	5	0	0	0	96	92		0	0	0	0	92	92	29	96	88	96		
<i>Klebsiella oxytoca</i>	16	3	0	87	87	93	0		50	67	93	93	94	100	80	100	100	100		
<i>Morganella morganii</i>	13	2	0	0	0	100	100		0	0	0	0	69	77	0	92	100	92		
<i>Klebsiella aerogenes</i>	8	2	0	0	0	100	100		0	0	0	0	88	100	38	100	100	100		
<i>Citrobacter koseri</i>	7	1	0	0	0	100	100		0	0	0	0	100	100	100	100	100	100		
<i>Citrobacter freundii</i>	5	1	0	0	0	100	80		0	0	0	0	100	100	100	100	100	100		

ALL GRAM-POSITIVE BACTERIA	#	%	77	77	85	8	8	8	8	8	8	27	71	10	86				98	
<i>Enterococcus faecalis</i>	113	77	100	100	100							22	93		98				99	100
<i>Enterococcus faecium</i> , all isolates	18	12	0	0	0							6	0		11				94	100
- vancomycin-susceptible	17	12	0	0	0							6	0		12				100	100
- vancomycin-resistant (VRE)	1	1	0	0	0							0	0		0				0	100
<i>Staphylococcus aureus</i> , all isolates	14	10			86	86	86	86	86	86		100		100	100				100	100
- methicillin-susceptible	12	8			100	100	100	100	100	100		100		100	100				100	100
- methicillin-resistant (MRSA)	2	1			0	0	0	0	0	0		100		100	100				100	100
<i>Enterococcus species</i>	1	1	0	0	0							0	0		0				100	100
<i>Staphylococcus lugdunensis</i>	1	1			100	100	100	100	100	100		100		100	100				100	100

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