## Toronto Western Hospital ANTIBIOGRAM Wards other than ICUs/Emergency January 1, 2022 - December 31, 2022

All Specimen Isolates — % Susceptible																												
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≥80% Susceptible 70-79% Susceptible ≤69% Susceptible	#	%	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	Daptomycin
ALL BACTERIA	2087	_	21	41				67	69	60		32	50									63						
-														_														
ALL GRAM-NEGATIVE BACTERIA	1049	100	14	53				72	99	80		24	59			75				79		69	93	86	96			
Escherichia coli	497	47	25	73				79	100	99		36	83			83				69		78	92	76	95			
Pseudomonas aeruginosa	180	17						89	92							93				87			85	94	95			
Klebsiella pneumoniae	117	11	0	85				87	100	100		41	88			88				84		89	98	93	100			
Proteus mirabilis	78	7	25	91				95	100	100		25	95			95				83		86	95	87	93			
Enterobacter cloacae	61	6	0	0				0	98	97		0	0			0				97		92	98	98	100			
Morganella morganii	22	2	0	0				5	100	100		0	0			0				71		81	90	100	100			
Klebsiella oxytoca	20	2	0	90				90	100	100		18	90			90				100		100	100	100	100			
Serratia marcescens	14	1	0	0				0	100	100		0	0			0				100		100	100	100	100			
Klebsiella aerogenes	14	1	0	0				0	100	100		0	0			0				100		100	100	100	100			
Citrobacter freundii	11	1	0	0				0	100	91		0	0			0				100		100	100	100	100			
Citrobacter koseri	10	1	0	0				0	100	100		0	0			0				100		100	100	100	100			
Haemophilus influenzae^^	6	1	67																						L			
Providencia rettgeri	5	0	0	0				0	100	100		0	0			0				100		100	100	100	100		ш	
ALL GRAM-POSITIVE BACTERIA	1038	100	28	28	6	_		61	40	40	34	40	41	_	<u> </u>	1	50	35			<u> </u>	57	_	$\overline{}$	_	96		_
Coagulase-negative staphylococci	464	45	20	20	0			36	36		36	36	41					39	92			73		H	=	100	100	_
Enterococcus faecalis	225	22	100	100				100	30	30	-30	30		$\vdash$	$\vdash$		00	37	71			73	$\vdash$	$\vdash\vdash$	$\vdash$	100	100	
Staphylococcus aureus, all isolates	218	21	100	100				87	87	87	87	86		-			80	68	96			99		$\vdash\vdash$	$\vdash$	100	100	
- methicillin-susceptible	191	18						99	99	99	99	98					81	73	98			99	$\vdash$	Н	-	100	100	_
- methicillin-resistant (MRSA)	27	3		-				0	0	0	0	98		$\vdash$	$\vdash$		69	31	85			100	$\vdash$	$\vdash\vdash$	$\vdash$	100	100	_
Enterococcus faecium, all isolates	38	4	15	15		-	$\vdash$	15									-07	J1	0.5			100		H		74	,00	_
- vancomycin-susceptible	28	3	21	21		<del>                                     </del>		21		$\vdash$		$\vdash$		$\vdash$	<del>                                     </del>									$\vdash$	$\vdash$	100		_
- vancomycin-resistant (VRE)	10	1	0	0				0						$\vdash$										$\vdash$		0	100	100
Viridans group streptococci°	31	3			58								90										$\vdash$	$\vdash$		100	.00	
Staphylococcus lugdunensis	24	2			-50			92	92	92	92	92	70		$\vdash$		96	92	100			100		$\vdash$	-	100	100	_
Group B streptococci**	16	2			100			72	/_	72	72	-/-					69	62	100			100		H		100	.00	_
Streptococcus anginosus group°°	15	1			100								100											H		100		_
Group A streptococci**	12	1			100		1		t -						$\vdash$		83	62					-	$\vdash$	г	100	_	_
a. sup /: sureptococci	12	•	+	+	100	-	-	+	-	-	-	1	-	_	_		05						$\vdash$	$\vdash$		.00	-	

## Mycobacterium tuberculosis complex General Notes:

Streptococcus pneumoniae
Group G streptococci\*\*

- > 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.
- ${\color{red}\succ} \ {\color{blue} Susceptibility} \ to \ doxycycline \ was \ predicted \ based \ on \ tetracycline \ susceptibility \ testing \ results.$

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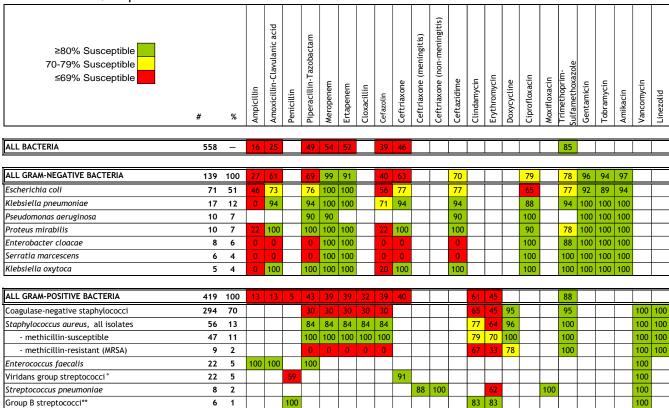
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#### Organism-Specific Notes:

- ^^ 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.
- \*\* Beta-hemolytic streptococci: Susceptibilty 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.
- \*\* 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.

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### Blood Isolates — % Susceptible



#### 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 tosted.
- ${\color{red}\succ} \ {\tt Susceptibility} \ {\tt to} \ {\tt doxycycline} \ {\tt was} \ {\tt predicted} \ {\tt based} \ {\tt on} \ {\tt tetracycline} \ {\tt susceptibility} \ {\tt testing} \ {\tt results}.$

#### Year-Specific Notes:

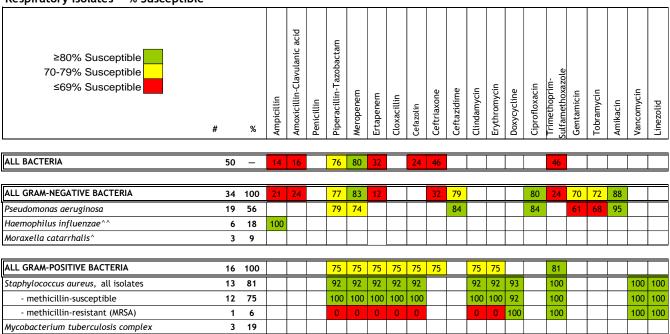
> Only a limited number of coagulase negative staphylococci isolates were tested for susceptibilities. The vast majority of coagulase-negative staphylococci are susceptible to vancomycin. If you have any questions, please contact the UHN/MSH Department of Microbiology.

#### Organism-Specific Notes:

- \*\* Beta-hemolytic streptococci: Susceptibilty 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.

## Toronto Western Hospital ANTIBIOGRAM Wards other than ICUs/Emergency January 1, 2022 - December 31, 2022





#### 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 GRAMNEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" listed includes these organisms.
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- ightharpoonup Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

#### Organism-Specific Notes:

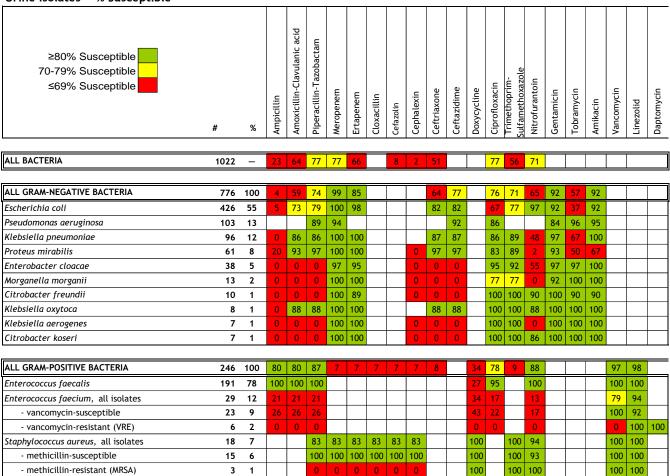
- ^ M. catarrhalis: Susceptibility testing is not routinely performed. Most isolates are resistant to ampicillin and amoxicillin but are generally susceptible to other antibiotics commonly used for respiratory infections.
- ^^ H. influenzae and H. parainfluenzae: Susceptibility to ampicillin was determined using beta-lactamase testing. Beta-lactamase-positive isolates are resistant to ampicillin but are generally susceptible to amoxicillin-clavulanic acid and cefuroxime.

Prepared by University Health Network/Mount Sinai Hospital Department of Microbiology

July 07, 2023

# Toronto Western Hospital ANTIBIOGRAM Wards other than ICUs/Emergency January 1, 2022 - December 31, 2022

#### Urine Isolates — % Susceptible



#### 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.