

Toronto Western Hospital ANTIBIOGRAM
All Inpatients
January 1, 2022 - December 31, 2022

All Specimen Isolates – % Susceptible

≥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	2560	—	20	38				67	69	58			32	50								63							
---------------------	------	---	----	----	--	--	--	----	----	----	--	--	----	----	--	--	--	--	--	--	--	----	--	--	--	--	--	--	--

ALL GRAM-NEGATIVE BACTERIA	1243	100	14	51				73	98	76			23	58			74				78	67	93	87	96				
<i>Escherichia coli</i>	546	44	23	71				78	100	99			34	81			81				67	77	92	78	95				
<i>Pseudomonas aeruginosa</i>	229	18						88	91								91				88		87	95	95				
<i>Klebsiella pneumoniae</i>	140	11	0	86				88	100	100			46	88			88				86	89	98	91	100				
<i>Proteus mirabilis</i>	84	7	28	91				95	100	100			28	95			95				84	87	95	88	93				
<i>Enterobacter cloacae</i>	77	6	0	0				0	99	97			0	0			0				97	92	99	97	100				
<i>Klebsiella oxytoca</i>	31	2	0	87				87	100	100			20	87			87				97	97	97	93	100				
<i>Haemophilus influenzae</i> ^{^^}	28	2	89																										
<i>Morganella morganii</i>	26	2	0	0				8	100	100			0	0			0				72	83	92	100	100				
<i>Serratia marcescens</i>	19	2	0	0				0	100	100			0	0			0				89	100	100	100	100				
<i>Stenotrophomonas maltophilia</i> [*]	17	1																				94	100						
<i>Citrobacter koseri</i>	12	1	0	0				0	100	100			0	0			0				100	100	100	100	100				
<i>Citrobacter freundii</i>	11	1	0	0				0	100	91			0	0			0				100	100	100	100	100				
<i>Moraxella catarrhalis</i> [^]	9	1																											
<i>Acinetobacter baumannii</i> complex	5	0						60	100				80				100				100	80	100	100	100				
<i>Providencia rettgeri</i>	5	0	0	0				0	100	100			0	0			0				100	100	100	100	100				
<i>Proteus vulgaris</i>	4	0	0	0				0	100	100			0	0			0				100	75	75	100	100				

ALL GRAM-POSITIVE BACTERIA	1317	100	26	26	7			62	42	42	35	41	43				52	36			60								96	
Coagulase-negative staphylococci	582	44						36	36	36	36	36					65	37	92		73							100	100	
<i>Staphylococcus aureus</i> , all isolates	309	23						87	87	87	87	86					80	69	96		100							100	100	
- methicillin-susceptible	270	21						99	99	99	99	98					81	74	97		100							100	100	
- methicillin-resistant (MRSA)	39	3						0	0	0	0	0					71	31	89		100							100	100	
<i>Enterococcus faecalis</i>	261	20	99	99				100																				100		
<i>Enterococcus faecium</i> , all isolates	49	4	17	17				17																				76		
- vancomycin-susceptible	37	3	22	22				22																				100		
- vancomycin-resistant (VRE)	12	1	0	0				0																				0	100	100
Viridans group streptococci [*]	38	3			55								92															100		
<i>Staphylococcus lugdunensis</i>	26	2						88	88	88	88	88					96	92	100		100							100	100	
<i>Streptococcus anginosus</i> group ^{**}	22	2			96								100															100		
Group B streptococci ^{**}	18	1			100												72	67										100		
<i>Streptococcus pneumoniae</i>	15	1				100	100							70	100		86	67			100							100		
Group A streptococci ^{**}	14	1				100											71	67										100		
Group G streptococci ^{**}	7	1				100											86	86										100		
<i>Mycobacterium tuberculosis</i> complex	6	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.

- > All specimens refers to all non-surveillance specimens.
- > 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.
- ^{**} Beta-hemolytic streptococci: Susceptibility 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. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing 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.

Toronto Western Hospital ANTIBIOGRAM
All Inpatients
January 1, 2022 - December 31, 2022

Blood Isolates – % Susceptible

	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	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	744	—	16	24		50	53	51		39	45									83						
---------------------	-----	---	----	----	--	----	----	----	--	----	----	--	--	--	--	--	--	--	--	----	--	--	--	--	--	--

ALL GRAM-NEGATIVE BACTERIA	173	100	23	58		67	99	89		38	60			68					78		76	96	94	97		
<i>Escherichia coli</i>	82	47	44	72		74	100	100		55	76			76					63		77	93	88	93		
<i>Klebsiella pneumoniae</i>	22	13	0	95		95	100	100		77	95			95					91		95	100	100	100		
<i>Pseudomonas aeruginosa</i>	17	10				88	88							88					88			94	100	100		
<i>Enterobacter cloacae</i>	12	7	0	0		0	100	100		0	0			0					100		83	100	92	100		
<i>Proteus mirabilis</i>	11	6	20	100		100	100	100		20	100			100					91		80	100	100	100		
<i>Klebsiella oxytoca</i>	7	4	0	100		100	100	100		14	100			100					100		100	100	100	100		
<i>Serratia marcescens</i>	6	3	0	0		0	100	100		0	0			0					100		100	100	100	100		

ALL GRAM-POSITIVE BACTERIA	571	100	14	14	6	45	39	39	32	39	41			62	44				86					98		
Coagulase-negative staphylococci	393	69				32	32	32	32	32				68	45	95			95					100	100	
<i>Staphylococcus aureus</i> , all isolates	72	13				85	85	85	85	83				77	65	97			98					100	100	
- methicillin-susceptible	61	11				100	100	100	100	98				78	70	100			98					100	100	
- methicillin-resistant (MRSA)	11	2				0	0	0	0	0				70	40	80			100					100	100	
<i>Enterococcus faecalis</i>	36	6	100	100		100																		100		
Viridans group streptococci*	29	5			55						93													100		
<i>Enterococcus faecium</i> , all isolates	10	2	20	20		20																		80		
- vancomycin-susceptible	8	1	25	25		25																		100		
- vancomycin-resistant (VRE)	2	0	0	0		0																		0	100	100
<i>Streptococcus anginosus</i> group**	10	2			90					100														100		
<i>Streptococcus pneumoniae</i>	8	1									88	100			62				100					100		
Group B streptococci**	7	1			100									86	86									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:

- ** Beta-hemolytic streptococci: Susceptibility 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.

Toronto Western Hospital ANTIBIOGRAM

All Inpatients

January 1, 2022 - December 31, 2022

Respiratory Isolates – % Susceptible

≥80% Susceptible ■ 70-79% Susceptible ■ ≤69% Susceptible ■	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin IV (meningitis)	Penicillin IV (non-meningitis)	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftriaxone (meningitis)	Ceftriaxone (non-meningitis)	Cefazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	Daptomycin
--	---	---	------------	-----------------------------	----------------------------	--------------------------------	-------------------------	-----------	-----------	-------------	-----------	-------------	--------------------------	------------------------------	------------	-------------	--------------	-------------	---------------	--------------	-------------------------------	------------	------------	----------	------------	-----------	------------

ALL BACTERIA	300	—	9	19			75	87	53			33	56								72						
---------------------	-----	---	---	----	--	--	----	----	----	--	--	----	----	--	--	--	--	--	--	--	----	--	--	--	--	--	--

ALL GRAM-NEGATIVE BACTERIA	188	100	14	31			69	92	38			40			65					81	56	89	81	92			
<i>Pseudomonas aeruginosa</i>	62	33					80	80							83					93		80	90	92			
<i>Haemophilus influenzae</i> ^{^^}	24	13	92																								
<i>Enterobacter cloacae</i>	17	9	0	0			0	100	100			0		0	0					94	94	100	94	100			
<i>Klebsiella pneumoniae</i>	14	7	0	93			93	100	100			93		93	93					86	93	93	0	100			
<i>Stenotrophomonas maltophilia</i> [†]	14	7																		93	100						
<i>Escherichia coli</i>	13	7	0	62			77	100	100			77		77	77					69	69	92	100	100			
<i>Klebsiella aerogenes</i>	10	5	0	0			0	100	100			0		0	0					100	100	100	100	100			
<i>Moraxella catarrhalis</i> [^]	9	5																									
<i>Klebsiella oxytoca</i>	8	4	0	100			100	100	100			100		100	100					100	100	100	100	100			
<i>Serratia marcescens</i>	5	3	0	0			0	100	100			0		0	0					60	100	100	100	100			

ALL GRAM-POSITIVE BACTERIA	112	100					85	79	79	79	79	79				78	70				94				94		100
<i>Staphylococcus aureus</i> , all isolates	99	88					89	89	89	89	89					82	74	95			100				100	100	100
- methicillin-susceptible	88	79					100	100	100	100	100					83	80	94			100				100	100	100
- methicillin-resistant (MRSA)	11	10					0	0	0	0	0					70	30	100			100				100	100	100
<i>Streptococcus pneumoniae</i>	7	6			100	100						0	100			86	57				100				100		
<i>Mycobacterium tuberculosis</i> complex	4	4																									
Coagulase-negative staphylococci	1	1					100	100	100	100	100					100	100	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.

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

Toronto Western Hospital ANTIBIOGRAM

All Inpatients

January 1, 2022 - December 31, 2022

All 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	Daptomycin
			<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">≥80% Susceptible</div> <div style="width: 15px; height: 15px; background-color: #90EE90; border: 1px solid black; margin-right: 5px;"></div> </div> <div style="display: flex; align-items: center; margin-top: 5px;"> <div style="margin-right: 10px;">70-79% Susceptible</div> <div style="width: 15px; height: 15px; background-color: #FFFF00; border: 1px solid black; margin-right: 5px;"></div> </div> <div style="display: flex; align-items: center; margin-top: 5px;"> <div style="margin-right: 10px;">≤69% Susceptible</div> <div style="width: 15px; height: 15px; background-color: #FF0000; border: 1px solid black; margin-right: 5px;"></div> </div>																			

ALL BACTERIA	1117	—	23	63	77	76	65		8	1	49			77	55	70							
---------------------	------	---	----	----	----	----	----	--	---	---	----	--	--	----	----	----	--	--	--	--	--	--	--

ALL GRAM-NEGATIVE BACTERIA	#	%	5	57	74	99	85				63	75		76	70	65	92	58	94			
<i>Escherichia coli</i>	459	54	4	71	78	100	98				81	81		66	77	97	92	38	95			
<i>Pseudomonas aeruginosa</i>	117	14			88	95						89		88			85	96	95			
<i>Klebsiella pneumoniae</i>	104	12	0	85	85	100	100				86	86		86	89	46	97	71	100			
<i>Proteus mirabilis</i>	64	8	33	94	97	100	100			0	97	97		84	89	3	94	60	67			
<i>Enterobacter cloacae</i>	39	5	0	0	0	97	95			0	0	0		95	92	54	97	97	100			
<i>Morganella morganii</i>	18	2	0	0	6	100	100			0	0	0		78	82	6	94	100	100			
<i>Klebsiella oxytoca</i>	11	1	0	73	73	100	100				73	73		91	91	91	91	50	100			
<i>Citrobacter freundii</i>	10	1	0	0	0	100	89			0	0	0		100	100	90	100	90	90			
<i>Klebsiella aerogenes</i>	9	1	0	0	11	100	100			0	0	0		100	100	11	100	100	100			
<i>Citrobacter koseri</i>	7	1	0	0	0	100	100			0	0	0		100	100	86	100	100	100			

ALL GRAM-POSITIVE BACTERIA	#	%	81	81	87	6	6	6	6	6	6		35	79	8	88				97	98	
<i>Enterococcus faecalis</i>	214	79	100	100	100								28	95		100				100	100	
<i>Enterococcus faecium</i> , all isolates	32	12	19	19	19								34	15		10				81	94	
- vancomycin-susceptible	26	10	23	23	23								42	19		12				100	93	
- vancomycin-resistant (VRE)	6	2	0	0	0								0	0		0				0	100	100
<i>Staphylococcus aureus</i> , all isolates	18	7			78	78	78	78	78	78			100		100	95				100	100	
- methicillin-susceptible	14	5			100	100	100	100	100	100			100		100	93				100	100	
- methicillin-resistant (MRSA)	4	1			0	0	0	0	0	0			100		100	100				100	100	
Coagulase-negative staphylococci	4	1			25	25	25	25	25				100	100	100	75				100	100	
<i>Enterococcus avium</i>	2	1	100	100	100								0	100		50				100		
<i>Staphylococcus lugdunensis</i>	2	1			100	100	100	100	100	100			100		100	100				100	100	
<i>Staphylococcus saprophyticus</i>	2	1																				

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.

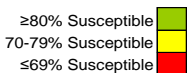
Organism-Specific Notes:

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

Toronto Western Hospital ANTIBIOGRAM
All Inpatients
January 1, 2022 - December 31, 2022

All Non-Urine Isolates – % 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	1473	—	15	23				62	67	56			42	51								69							
---------------------	-------------	----------	-----------	-----------	--	--	--	-----------	-----------	-----------	--	--	-----------	-----------	--	--	--	--	--	--	--	-----------	--	--	--	--	--	--	--

ALL GRAM-NEGATIVE BACTERIA	511	100	16	39				68	96	63			22	46							81	62	94	95	97			
<i>Pseudomonas aeruginosa</i>	134	26						84	87							87					88		87	95	94			
<i>Escherichia coli</i>	132	26	41	68				75	100	100		54	77			77					69	76	93	90	94			
<i>Klebsiella pneumoniae</i>	45	9	0	87				91	100	100		67	91			91					84	91	98	97	100			
<i>Enterobacter cloacae</i>	39	8	0	0				0	100	100		0	0			0					100	92	100	97	100			
<i>Proteus mirabilis</i>	28	5	25	88				93	100	100		19	93			93					82	81	100	100	100			
<i>Haemophilus influenzae</i> ^{^^}	25	5	88																									
<i>Klebsiella oxytoca</i>	20	4	0	100				100	100	100		27	100			100					100	100	100	100	100			
<i>Klebsiella aerogenes</i>	19	4	0	0				0	100	100		0	0			0					100	100	100	100	100			
<i>Serratia marcescens</i>	18	4	0	0				0	100	100		0	0			0					89	100	100	100	100			
<i>Stenotrophomonas maltophilia</i> [†]	17	3																			94	100						
<i>Morganella morganii</i>	10	2	0	0				10	100	100		0	0			0					56	89	89	100	100			
<i>Moraxella catarrhalis</i> [^]	9	2																										
<i>Citrobacter koseri</i>	8	2	0	0				0	100	100		0	0			0					100	100	100	100	100			

ALL GRAM-POSITIVE BACTERIA	962	100	15	15	9			59	52	52	44	52	53			63	45				72						96	
Coagulase-negative staphylococci	476	49						37	37	37	37	37				65	38	92			72						100	100
<i>Staphylococcus aureus</i> , all isolates	296	31						87	87	87	87	86				79	68	96			99					100	100	
- methicillin-susceptible	259	27						99	99	99	99	98				80	74	97			99					100	100	
- methicillin-resistant (MRSA)	37	4						0	0	0	0	0				71	29	88			100					100	100	
<i>Enterococcus faecalis</i>	59	6	98	98				100																		100		
Viridans group streptococci [*]	37	4			57								92													100		
<i>Staphylococcus lugdunensis</i>	24	2						88	88	88	88	88				96	92	100			100					100	100	
<i>Streptococcus anginosus</i> group ^{**}	22	2			96								100													100		
<i>Enterococcus faecium</i> , all isolates	18	2	11	11				11																		67		
- vancomycin-susceptible	12	1	17	17				17																		100		
- vancomycin-resistant (VRE)	6	1	0	0				0																		0	100	100
Group B streptococci ^{**}	18	2			100											72	67									100		
<i>Streptococcus pneumoniae</i>	15	2				100	100						70	100		86	67				100					100		
Group A streptococci ^{**}	14	1			100											71	67									100		
Group G streptococci ^{**}	7	1			100											86	86									100		
<i>Mycobacterium tuberculosis</i> complex	6	1																										

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.
- ^{^^} *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: Susceptibility 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. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing 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.