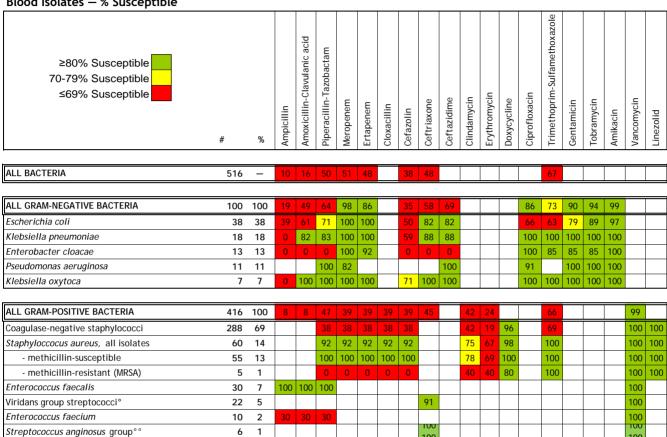
January 1, 2021 - December 31, 2021

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.
- > 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.

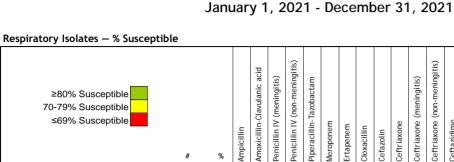
Year-Specific Notes:

> 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

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.
- °° 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.

Piperacillin-Tazobactam



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

ALL BACTERIA	356	_	7	21		76	92	62	39	56						73				
ALL GRAM-NEGATIVE BACTERIA	232	100	10	32		66	95	48	13	38		65		86		59	94	97	96	
Pseudomonas aeruginosa	74	32				86	87					89		96			90	96	94	
Klebsiella pneumoniae	31	13	0	84		84	100	100	67	87		87		100		94	100	100	100	
Escherichia coli	24	10	9	57		65	100	100	27	70		70		83		79	96	100	100	
Haemophilus influenzae^^	24	10	75																	
Stenotrophomonas maltophilia ′	15	6													100	100				
Serratia marcescens	14	6	0	0		0	100	100	0	0		0		100		100	100	100	100	
Enterobacter cloacae	12	5	0	0		0	100	100	0	0		0		100		92	100	100	100	
Klebsiella aerogenes	11	5	0	0		0	91	91	0	0		0		91		100	100	100	100	
Klebsiella oxytoca	8	3	0	88		75	100	100	50	88		88		88		88	100	100	100	
Citrobacter koseri	5	2	0	0		0	100	100	0	0		0		100		100	100	100	100	

ALL GRAM-POSITIVE BACTERIA	124	100				92	86	86	86	86	86			78	70			97		98	
Staphyloccocus aureus, all isolates	115	93				93	93	93	93	92				78	72	96		99		100	0 10
- methicillin-susceptible	107	86				100	100	100	100	99				81	76	97		99		100	0 10
- methicillin-resistant (MRSA)	8	6				0	0	0	0	0				43	14	86		100		100	0 10
Streptococcus pneumoniae	7	6		100	100							0	100	100	57		100			100	0
Coagulase-negative staphylococci	1	1				100	100	100	100	100				100	100	100		100		100	0 10
Mycobacterium tuberculosis complex	1	1																			
Staphylococcus lugdunensis	1	1				100	100	100	100	100				100	100	100		100		100	0 10

General Notes:

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- > 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.

Frimethoprim-Sulfamethoxazole

Tobramycin

Ceftriaxone (non-meningitis)

Erythromycin

Ciprofloxacin Moxifloxacin

Doxycycline

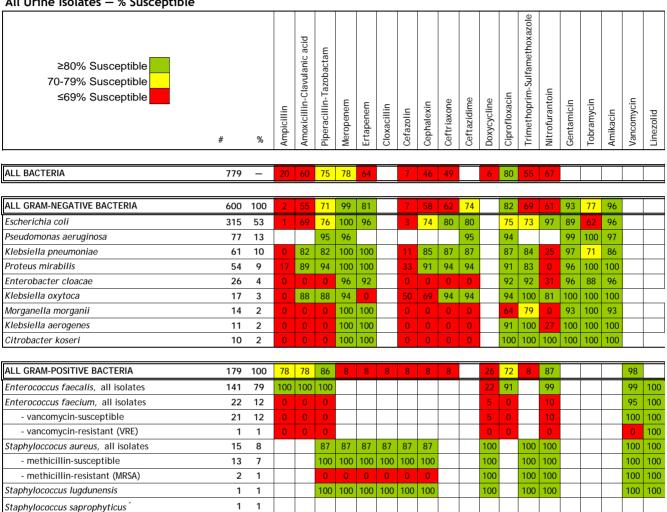
Ceftriaxone (meningitis)

Ceftriaxone

Cloxacillin Cefazolin

January 1, 2021 - December 31, 2021

All 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.
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- > Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

Organism-Specific Notes:

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

January 1, 2021 - December 31, 2021

All Non-Urine Isolates — % Susceptible	е																										
≥80% Susceptible 70-79% Susceptible ≤69% Susceptible	#	%	Ampicillin	Amoxici Ilin-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
ALL BACTERIA	1283	_	11	18				63	69	56		42	52									69					匚
ALL GRAM-NEGATIVE BACTERIA	462	100	13	34				67	96	58	_	21	40			66				85		58	94	96	98		_
	138	30	13	34				90	89	30		21	40			91				93		36	94	98	97		
Pseudomonas aeruginosa Escherichia coli	96	21	29	62				72	99	98		49	78			78				71		70	87	88	95		
Klebsiella pneumoniae	54	12	0	81				83	_	100		65	85			85				96		94	100	100	100		
Enterobacter cloacae	40	9	0	0				5	100	_		0	0			0				95		89	89	89	100		
Haemophilus influenzae^^	24	5	75	U				J	100	73		U	U			U				73		07	07	07	100		
Klebsiella oxytoca	17	4	0	94				88	100	100		67	94			94				94		94	100	100	100		
Proteus mirabilis	17	4	83	94				100	100	_	.	12	94	.		94				87		88	100	100	100	.	
Serratia marcescens	17	4	0	0				0		100		0	0			0				100		100		100	100		
Stenotrophomonas maltophilia	17	4											Ŭ			Ŭ					100	100					
Klebsiella aerogenes	16	3	0	0				0	94	94		0	0			0				94		100	100	100	100		
Citrobacter koseri	10	2	0	0				0		100		0	0			0				100		100	100	100	100		
Proteus vulgaris	6	1	0	0				17		100		0	0			0				80		80	80	100	100		
						1											l										
ALL GRAM-POSITIVE BACTERIA	821	100	10	10	3			61	54	54	52	54	59				61	43				75				97	
Coagulase-negative staphylococci	400	49						48	48	48	48	48					63	35	90			77				100	100
Staphyloccocus aureus, all isolates	273	33						90	90	90	90	89					78	69	96			99				100	100
- methicillin-susceptible	249	30						99	99	99	99	98					79	73	97			99				100	100
- methicillin-resistant (MRSA)	24	3						0	0	0	0	0					70	30	87			100				100	100
Enterococcus faecalis	53	6	100	100				100																		100	
Viridans group streptococci°	29	4											90													100	
Streptococcus anginosus group°°	26	3			35								100													100	
Enterococcus faecium, all isolates	21	3	29	29				29																		100	
Staphylococcus lugdunensis	16	2						88	88	88	88	88					94	94	94			100				100	100
Streptococcus pneumoniae	8	1				71	71							33	100		100	50			100					100	
Group A streptococci**	6	1			100												100	100								100	
Group B streptococci**	6	1			100												17	33								100	

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