

2022 ANTIMICROBIAL SUSCEPTIBILITY OF COMMON ISOLATES
DEPARTMENTS OF PATHOLOGY AND PHARMACY
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MADIGAN ARMY MEDICAL CENTER
Microbiology Laboratory

* Based on data from 2021 January to December

Lists percent Susceptible, remainder are non-susceptible, resistant or intermediate

Gram Negative Organisms	# Of Isolates ^{ab}	Amoxicillin/ Clavulanate	Ampicillin	Ampicillin/ Sulbactam	Cefazolin ^d	Cefepime	Ceftazidime	Ceftriaxone	Ciprofloxacin	Gentamicin	Imipenem	Levofloxacin	Nitrofurantoin ^e	Piperacillin/ Tazobactam	Tobramycin	Trimethoprim/ Sulfamethox.
<i>Citrobacter koseri</i> ^c	33	96				100			100	100	100	100	81	100	100	
<i>Enterobacter cloacae</i> complex ^c	38					94			97	100	88	97		89	100	100
<i>Escherichia coli</i>	1176	88	66	73	92 ^f	97 ^f	96 ^f	99 ^f	89	96	100	88	99	100	96	83
<i>Klebsiella oxytoca</i>	40			60	32	91 ^f	91 ^f	95	98	95	100	100	85	90	97	95
<i>Klebsiella pneumoniae</i>	146	99		89	98	95 ^f	95 ^f	95	96	100	100	96		100	100	94
<i>Proteus mirabilis</i>	72	86	83	96	83	96	95	96	92	97	10	92		97	100	90
<i>Pseudomonas aeruginosa</i>	95					100	100		98	100	100	96		100	100	
Gram Positive Organisms	# Of Isolates	Benzy/penicillin	Ciprofloxacin	Clindamycin ^{h,i}	Erythromycin ⁱ	Gentamicin synergy ^j	Levofloxacin	Linezolid	Nitrofurantoin ^e	Oxacillin	Streptomycin synergy ^j	Tetracycline	Trimethoprim/ Sulfamethox.	Vancomycin		
<i>Enterococcus faecalis</i>	122	98	92			85	92	100	100		94			100		
<i>Staphylococcus aureus</i> (MSSA) ^k	220		87	89	67		88	100	100	100		98	100	100		
<i>Staphylococcus aureus</i> (MRSA) ^k	72		37	70 ^f			32	100	100			89	89	100		
<i>Staphylococcus lugdunensis</i>	42		100	89	89			100	100	93		86		100		
<i>Streptococcus agalactiae</i> (Group B) ^g	30	100		48										100		

- a) Number of isolates was determined by pulling culture data from specimens collected in the JBLM footprint and (NMRTC) Bremerton
- b) Total number of organisms may not be applicable for each drug or may be less than the total listed for some drugs
- c) First and Third generation Cephalosporins not reported due to chromosomal mediated resistance AMP-C
- d) Only reported for Urine cultures due to automated linearity and breakpoint changes
- e) For use with urinary tract isolates only
- f) Percent susceptibility rate primarily represent results from January-June 2021 only
- g) Susceptibility performed by special request for patients allergic to Penicillin, or from sterile sites
- h) Clindamycin results for all *Staphylococcus* species and *Streptococcus agalactiae* are confirmed by a inducible resistance test
- i) Erythromycin and Clindamycin not reported on urinary tract isolates
- j) Synergy Screen: **S** result indicates synergy with Penicillin is likely **R** result indicates synergy with Penicillin is not likely
- k) Oxacillin resistance for all *Staph aureus* was 25%