



420-nonDOH

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17-LABO-182 031917

2016 Antimicrobial Susceptibility Report

ALL PATIENT DATA

PeaceHealth St. Joseph Medical Center, Peace Island Medical Center, PeaceHealth United General Hospital, Whatcom County Physician Offices and Nursing Homes

Cumulative data from Jan. 1 – Dec. 31, 2016

This antibiogram was created in compliance with CLSI document M39-A4 "Analysis and Presentation of Cumulative Antimicrobial Susceptibility Test Data; Approved Guideline" - Fourth Edition, January 2014.



Gram-Negative (percent susceptible)

	<i>Acinetobacter baumannii</i>	<i>Citrobacter freundii</i>	<i>Citrobacter koseri</i>	<i>Enterobacter aerogenes</i>	<i>Enterobacter cloacae</i>	<i>Escherichia coli</i>	<i>Klebsiella oxytoca</i>	<i>Klebsiella pneumoniae</i>	<i>Morganella morganii</i>	<i>Protex mirabilis</i>	<i>Pseudomonas aeruginosa</i>	<i>Serratia marcescens</i>	<i>Stenotrophomonas maltophilia</i>
# isolates	28	142	95	109	191	6548	157	803	72	390	442	68	43
Amoxicillin/ Clavulanate	-	R	99	R	R	87	94	97	R	92	-	R	-
Ampicillin	-	R	R	R	R	65	R	R	R	76	-	R	-
Cefazolin (1)	-	R	-	R	R	94 (5)	-	98 (5)	R	97 (5)	-	R	-
Cefepime (2)	89	100	99	100	98	98	98	98	94	99	98	99	-
Cefoxitin	-	R	97	R	R	93	98	96	-	95	-	R	-
Ceftazidime (3)	57	80	99	92	84	97	97	97	77	99	97	99	31
Ceftriaxone	-	80	98	93	84	96	95	97	86	99	-	93	-
Ciprofloxacin	96	91	100	100	97	86	97	96	75	87	90	96	-
Ertapenem (4)	-	100	100	100	94	100	100	100	100	96	-	100	-
Gentamicin	96	97	100	100	99	95	98	97	88	92	94	99	-
Levofloxacin	96	91	100	100	97	86	97	97	75	89	87	96	84
Meropenem (4)	96	100	100	100	99	100	100	100	100	100	96	100	-
Nitrofurantoin (5)	-	94	91	9	31	97	85	34	R	R	-	R	-
Piperacillin/ tazobactam	85	85	99	92	85	97	95	97	95	100	94	-	-
Tetracycline	-	85	99	98	93	80	91	87	R	R	-	28	-
Tobramycin	96	98	100	100	99	95	99	96	97	92	99	81	-
Trimethoprim/ sulfamethoxazole	93	85	100	100	94	83	96	93	66	81	-	100	97

(1) For Enterobacteriaceae, the interpretive criteria for cefazolin are based on a dosage regimen of 2 grams every 8 hours. (2) For *Pseudomonas aeruginosa*, interpretive criteria for cefepime are based on a dosage regimen of 1 gram every 8 hours or 2 grams every 12 hours. (3) For *Pseudomonas aeruginosa*, the interpretive criteria for ceftazidime are based on a dosage regimen of 1 gram every 6 hours or 2 grams every 8 hours. (4) For Enterobacteriaceae, the interpretive criteria for ertapenem and meropenem are based on a dosage regimen of 1 gram per day for ertapenem and 1 gram every 8 hours for meropenem. (5) Applicable to urine isolates only. Dash (-) = inappropriate drug or not tested. Blank = <30 isolates tested. R = intrinsically resistant.

Note: the use of replicate isolates per patient cannot be ruled out in the calculation of this antibiogram.

Gram-Positive (percent susceptible)

	<i>Enterococcus faecalis</i>	<i>Enterococcus faecium</i>	MRSA	MSSA	<i>Staphylococcus epidermidis</i>	<i>Staphylococcus hominis</i>	<i>Staphylococcus lugdunensis</i>	<i>Streptococcus agalactiae</i>	<i>Streptococcus pneumoniae</i>
# isolates	742	36	969	1804	636	80	88	68	83
Ampicillin	100	56	-	-	-	-	-	100	-
Cefazolin (1)	-	-	0	100	53	57	99	-	-
Cefotaxime	-	-	-	-	-	-	-	-	100
Ceftriaxone	-	-	-	-	-	-	-	-	99
Ciprofloxacin	87	42	35	88	73	72	95	-	-
Clindamycin	-	-	77	88	68	62	93	60	-
Erythromycin	9	6	15	70	39	34	90	62	73
Gentamicin Synergy (2)	81	91	-	-	-	-	-	-	-
Levofloxacin	87	53	36	89	73	72	95	99	100
Minocycline	25	-	99	99	99	99	100	-	-
Nitrofurantoin (3)	99	44	99	100	100	100	100	-	-
Oxacillin	-	-	0	100	53	57	99	-	-
Penicillin	-	-	-	-	-	-	-	100	99
Tetracycline	-	-	94	96	87	64	93	21	89
Trimethoprim/ sulfamethoxazole	-	-	94	98	64	77	95	-	89
Vancomycin	100	77	100	100	100	100	100	100	100

(1) Deduced from oxacillin results. (2) Applicable to blood isolates only. (3) Applicable to urine isolates only. MRSA = Methicillin-resistant *Staphylococcus aureus*; MSSA = Methicillin-susceptible *Staphylococcus aureus*. Dash (-) = inappropriate drug or not tested. Blank = <30 isolates tested.

Note: the use of replicate isolates per patient cannot be ruled out in the calculation of this antibiogram.

% MRSA = 35%.