

# 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.



[peacehealthlabs.org/antibiograms](http://peacehealthlabs.org/antibiograms)

## 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%.