

UCDH ANTIBIOGRAM

01/01/2019 - 12/31/2019

PERCENT OF ISOLATES SUSCEPTIBLE

Anna Maria Romanelli, Ph.D.

Director, Clinical Microbiology Laboratory

Inpatient ICU - Gram Positive Organisms

Category		Beta Lactams				Macrolide Linco-samide		Fluoroquinolone	Tetracyclines		Aminoglycosides			Other				
Organism	n	Penicillin G	Ampicillin	Oxacillin ^B	Cefazolin	Erythromycin	Clindamycin	Levofloxacin	Tetracycline	Minocycline	Gentamicin	Gent, High Level	Strep, High Level	Daptomycin	Linezolid	Rifampin	Trimethoprim/Sulfamethoxazole	Vancomycin ^C
breakpoints (mcg/mL) Staph spp				2 ^B	8	0.5	0.5	1	4	4	4			1	4	1	2/38	2 ^C
Staphylococcus aureus, all	159	0	0	69	69	54	75	64	92	99	92	-	-	100	99	99	99	100
Staphylococcus aureus, MSSA	113	0	0	99	99	74	84	86	98	100	97	-	-	100	99	100	100	100
Staphylococcus aureus, MRSA	50	0	0	0	0	10	55	13	81	97	81	-	-	100	100	98	97	100
Coagulase Neg Staphylococci	11 ^A	0	0	36 ^B	36	50	60	100	100	-	90	-	-	-	100	90	100	100 ^C
breakpoints (mcg/mL) Enterococcus spp		8	8			0.5		2	4	4		S	S	4	2			4
Enterococcus species, all	44	70	72	-	-	16	-	61	17	31	-	84	77	95	95	-	-	68
Enterococcus faecalis	28 ^A	100	100	-	-	20	-	86	17	21	-	82	82	100	100	-	-	92
Enterococcus faecium	15 ^A	13	20	-	-	0	-	10	20	60	-	86	73	86	80	-	-	26
Enterococcus spp, others*	3 ^A	66	100	-	-	50	-	50	50	-	-	100	66	100	100	-	-	33

Inpatient Non-ICU - Gram Positive Organisms

Category		Beta Lactams				Macrolide Linco-samide		Fluoroquinolone	Tetracyclines		Aminoglycosides			Other				
Organism	n	Penicillin G	Ampicillin	Oxacillin ^B	Cefazolin	Erythromycin	Clindamycin	Levofloxacin	Tetracycline	Minocycline	Gentamicin	Gent, High Level	Strep, High Level	Daptomycin	Linezolid	Rifampin	Trimethoprim/Sulfamethoxazole	Vancomycin ^C
breakpoints (mcg/mL) Staph spp				2 ^B	8	0.5	0.5	1	4	4	4			1	4	1	2/38	2 ^C
Staphylococcus aureus, all	209	0	0	55	55	39	68	54	86	98	95	-	-	100	99	98	95	100
Staphylococcus aureus, MSSA	120	0	0	99	99	60	73	80	93	100	99	-	-	100	99	98	95	100
Staphylococcus aureus, MRSA	94	0	0	0	0	13	61	27	78	96	90	-	-	100	100	97	95	100
Coagulase Neg Staphylococci	44	0	2	36 ^B	36	36	54	57	95	100	80	-	-	-	100	93	25	100 ^C
breakpoints (mcg/mL) Enterococcus spp		8	8			0.5		2	4	4		S	S	4	2			4
Enterococcus species, all	157	72	76	-	-	19	-	63	25	32	-	81	73	98	98	-	-	73
Enterococcus faecalis	105	97	100	-	-	25	-	80	25	26	-	73	77	100	100	-	-	95
Enterococcus faecium	44	6	11	-	-	5	-	16	25	42	-	95	65	93	95	-	-	29
Enterococcus spp, others*	15 ^A	86	93	-	-	40	-	80	25	57	-	100	73	100	100	-	-	40

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PERCENT OF ISOLATES SUSCEPTIBLE

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Outpatient / ED - Gram Positive Organisms

Category		Beta Lactams				Macrolide Linco- samide		Fluor oquin olone	Tetra cyclines		Aminoglycosides			Other				
Organism	n	Penicillin G	Ampicillin	Oxacillin ^B	Cefazolin	Erythromycin	Clindamycin	Levofloxacin	Tetracycline	Minocycline	Gentamicin	Gent, High Level	Strep, High Level	Daptomycin	Linezolid	Rifampin	Trimethoprim/ Sulfamethoxazole	Vancomycin ^C
breakpoints (mcg/mL) Staph spp				2 ^B	8	0.5	0.5	1	4	4	4			1	4	1	2/38	2 ^C
Staphylococcus aureus, all	1022	0	0	69	69	46	69	69	87	97	95	-	-	100	99	98	96	100
Staphylococcus aureus, MSSA	721	0	0	99	99	60	71	84	91	98	98	-	-	100	99	98	96	100
Staphylococcus aureus, MRSA	314	0	0	0	0	12	64	32	77	96	89	-	-	100	99	98	94	100
Coagulase Neg Staphylococci	137	0	0	75 ^B	77	58	70	87	90	100	92	-	-	-	100	100	69	100 ^C
breakpoints (mcg/mL) Enterococcus spp		8	8			0.5		2	4	4		S	S	4	2			4
Enterococcus species, all	537	90	92	-	-	15	-	80	26	28	-	83	82	99	99	-	-	93
Enterococcus faecalis	469	96	100	-	-	15	-	84	26	27	-	82	82	99	99	-	-	98
Enterococcus faecium	50	25	26	-	-	18	-	23	25	35	-	91	68	97	97	-	-	51
Enterococcus spp, others*	28 ^A	78	85	-	-	16	-	71	36	71	-	100	100	100	100	-	-	85

Data source: UCDH Laboratory Information Service, excluding duplicate, CF and surveillance isolates.

Breakpoints for susceptibility defined by Clinical Laboratory Standards Institute (CLSI M100 28th Edition, Jan 2018) .

Organisms with a total number of less than 10 isolates recovered for the year are not included in this report.

≥10% increase in % of susceptible isolates compared to 2018

≥10% decrease in % of susceptible isolates compared to 2018

Footnotes:

^A Calculated from fewer than the standard recommendation of 30 isolates. Interpret with caution.

^B *S. aureus* and *S. lugdunensis* oxacillin breakpoint = 2 mcg/mL;
other coagulase-negative staphylococci breakpoint = 0.25 mcg/mL.

^C Coagulase-negative staphylococci vancomycin breakpoint = 4 mcg/mL.

Enterococcus spp, others* - all Enterococcus species except for *E. faecalis* and *E. faecium*.