

UCDH ANTIBIOGRAM

01/01/2021 - 12/31/2021

PERCENT OF ISOLATES SUSCEPTIBLE

Stuart Cohen, M.D.

Director, Clinical Microbiology Laboratory

Inpatient ICU - 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	163	-	-	58	58	50	74	62	94	100	94	-	-	100	100	99	98	100
Staphylococcus aureus, MSSA	98	-	-	100	100	77	85	92	96	100	100	-	-	100	100	100	98	100
Staphylococcus aureus, MRSA	70	-	-	0	0	12	61	19	92	100	87	-	-	100	100	98	97	100
Coagulase Neg Staphylococci	13 ^A	-	-	23	23	33	41	100	100	100	55	-	-	100	100	92	-	100
breakpoints (mcg/mL) Enterococcus spp		8	8			0.5		2	4	4		S	S	4	2			4
Enterococcus species, all	68	77	77	-	-	17	-	76	24	26	-	86	79	97	100	-	-	76
Enterococcus faecalis	50	100	100	-	-	14	-	90	17	17	-	84	79	100	100	-	-	96
Enterococcus faecium	17 ^A	5	5	-	-	14	-	18	27	50	-	94	76	88	100	-	-	17

Inpatient Non-ICU - 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	198	-	-	63	63	52	75	68	82	97	89	-	-	100	100	98	98	100
Staphylococcus aureus, MSSA	125	-	-	100	100	73	80	86	93	98	95	-	-	100	100	98	99	100
Staphylococcus aureus, MRSA	74	-	-	0	0	16	67	39	66	96	78	-	-	100	100	100	97	100
Coagulase Neg Staphylococci	45	-	-	48	48	40	64	75	89	100	81	-	-	100	100	100	-	100
breakpoints (mcg/mL) Enterococcus spp		8	8			0.5		2	4	4		S	S	4	2			4
Enterococcus species, all	154	68	70	-	-	14	-	64	37	44	-	87	65	98	97	-	-	75
Enterococcus faecalis	96	98	100	-	-	16	-	83	36	39	-	80	78	100	100	-	-	97
Enterococcus faecium	55	16	18	-	-	9	-	22	40	47	-	98	43	96	90	-	-	40

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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	563	-	-	75	75	58	75	74	89	97	94	-	-	100	100	98	99	100
Staphylococcus aureus, MSSA	430	-	-	99	99	72	79	90	93	97	97	-	-	100	100	98	98	100
Staphylococcus aureus, MRSA	138	-	-	0	0	12	63	25	74	96	86	-	-	100	100	99	100	100
Coagulase Neg Staphylococci	83	-	-	86	86	74	87	89	91	98	95	-	-	100	100	100	-	100
breakpoints (mcg/mL) Enterococcus spp		8	8			0.5		2	4	4		S	S	4	2			4
Enterococcus species, all	320	94	96	-	-	20	-	88	29	32	-	90	86	99	99	-	-	97
Enterococcus faecalis	296	99	100	-	-	16	-	91	27	30	-	89	88	99	99	-	-	99
Enterococcus faecium	23 ^A	39	43	-	-	50	-	47	47	56	-	100	56	95	100	-	-	73

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

Breakpoints for susceptibility defined by Clinical Laboratory Standards Institute (CLSI M100 29th Edition, Jan 2019) .

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 2019

≥10% decrease in % of susceptible isolates compared to 2019

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.