

UCDH ANTIBIOGRAM

01/01/2021 - 12/31/2021

PERCENT OF ISOLATES SUSCEPTIBLE

Stuart Cohen, M.D.

Director, Clinical Microbiology Laboratory

PEDIATRIC Inpatient ICU - Gram Positive Organisms

Category		Beta Lactams				Macrolide Lincosamide		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	42	-	-	80	80	59	78	87	96	100	100	-	-	100	100	100	97	100
Staphylococcus aureus, MSSA	34	-	-	100	100	73	79	92	100	100	100	-	-	100	100	100	97	100
Staphylococcus aureus, MRSA	8 ^A	-	-	0	0	0	75	50	75	100	100	-	-	100	100	100	100	100
Coagulase Neg Staphylococci	12 ^A	-	-	8	8	0	10	66	100	100	40	-	-	100	100	100	-	100
breakpoints (mcg/mL) Enterococcus spp		8	8			0.5		2	4	4		S	S	4	2			4
Enterococcus species, all	26 ^A	100	100	-	-	0	-	100	20	20	-	80	80	100	100	-	-	100
Enterococcus faecalis	25 ^A	100	100	-	-	0	-	100	20	20	-	80	80	100	100	-	-	100
Enterococcus faecium	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

PEDIATRIC Inpatient Non-ICU - Gram Positive Organisms

Category		Beta Lactams				Macrolide Lincosamide		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	29 ^A	-	-	75	75	58	86	84	88	100	100	-	-	100	100	100	100	100
Staphylococcus aureus, MSSA	22 ^A	-	-	100	100	68	90	95	90	100	100	-	-	100	100	100	100	100
Staphylococcus aureus, MRSA	7 ^A	-	-	0	0	28	71	40	80	100	100	-	-	100	100	100	100	100
Coagulase Neg Staphylococci	9 ^A	-	-	55	62	33	44	-	-	-	77	-	-	100	100	100	-	100
breakpoints (mcg/mL) Enterococcus spp		8	8			0.5		2	4	4		S	S	4	2			4
Enterococcus species, all	13 ^A	92	92	-	-	66	-	72	66	66	-	84	92	100	92	-	-	84
Enterococcus faecalis	11 ^A	100	100	-	-	100	-	80	70	70	-	81	100	100	100	-	-	100
Enterococcus faecium	1 ^A	0	0	-	-	0	-	0	0	0	-	100	0	100	100	-	-	0

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Director, Clinical Microbiology Laboratory

PEDIATRIC 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	237	-	-	89	89	68	81	85	97	98	96	-	-	100	100	99	99	100
Staphylococcus aureus, MSSA	213	-	-	100	100	75	82	93	97	98	97	-	-	100	100	100	100	100
Staphylococcus aureus, MRSA	46	-	-	0	0	12	71	18	93	100	84	-	-	100	100	96	96	100
Coagulase Neg Staphylococci	8 ^A	-	-	100	100	75	87	100	100	100	100	-	-	100	100	100	-	100
breakpoints (mcg/mL) Enterococcus spp		8	8			0.5		2	4	4		S	S	4	2			4
Enterococcus species, all	15 ^A	93	93	-	-	0	-	86	26	26	-	86	86	100	100	-	-	93
Enterococcus faecalis	14 ^A	100	100	-	-	0	-	92	28	28	-	85	92	100	100	-	-	100
Enterococcus faecium	1 ^A	0	0	-	-	0	-	0	0	0	-	100	0	100	100	-	-	0

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 with some exceptions.

≥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.