

UCDH ANTIBIOGRAM

01/01/2019 - 12/31/2019

PERCENT OF ISOLATES SUSCEPTIBLE

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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	52	0	1	69	69	55	84	65	97	100	100	-	-	100	98	100	96	100
Staphylococcus aureus, MSSA	36	0	2	100	100	80	86	93	96	100	100	-	-	100	97	100	94	100
Staphylococcus aureus, MRSA	16 ^A	0	0	0	0	0	81	6	100	100	100	-	-	100	100	100	100	100
Coagulase Neg Staphylococci	18 ^A	0	0	22 ^B	22	6	46	83	83	100	50	-	-	-	100	100	-	100 ^C
breakpoints (mcg/mL) Enterococcus spp		8	8			0.5		2	4	4		S	S	4	2			4
Enterococcus species, all	42	95	97	-	-	20	-	94	10	13	-	85	90	100	100	-	-	97
Enterococcus faecalis	40	97	100	-	-	25	-	97	11	11	-	85	95	100	100	-	-	100
Enterococcus faecium	1 ^A	0	0	-	-	0	-	0	0	100	-	100	0	100	100	-	-	0
Enterococcus spp, others*	1 ^A	100	100	-	-	-	-	-	0	0	-	100	0	100	-	-	-	100

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	36	0	0	55	55	50	80	62	92	100	94	-	-	100	100	100	100	100
Staphylococcus aureus, MSSA	20 ^A	0	0	100	100	75	80	100	100	100	100	-	-	100	100	100	100	100
Staphylococcus aureus, MRSA	16 ^A	0	0	0	0	18	81	16	83	100	87	-	-	100	100	100	100	100
Coagulase Neg Staphylococci	3 ^A	0	0	0 ^B	0	0	0	-	-	-	100	-	-	-	100	100	100	100 ^C
breakpoints (mcg/mL) Enterococcus spp		8	8			0.5		2	4	4		S	S	4	2			4
Enterococcus species, all	11 ^A	81	90	-	-	50	-	90	63	55	-	100	90	100	100	-	-	90
Enterococcus faecalis	7 ^A	85	100	-	-	0	-	100	71	66	-	100	100	100	100	-	-	100
Enterococcus faecium	2 ^A	50	50	-	-	100	-	50	50	50	-	100	50	100	100	-	-	100
Enterococcus spp, others*	2 ^A	100	100	-	-	100	-	100	50	0	-	100	100	100	100	-	-	50

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PERCENT OF ISOLATES SUSCEPTIBLE

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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	264	0	0	83	83	60	79	82	96	100	96	-	-	100	100	98	95	100
Staphylococcus aureus, MSSA	223	0	0	100	100	69	78	93	97	100	97	-	-	100	100	98	96	100
Staphylococcus aureus, MRSA	46	0	0	0	0	10	73	16	90	100	91	-	-	100	100	100	91	100
Coagulase Neg Staphylococci	18 ^A	0	0	50 ^B	50	35	76	83	83	100	75	-	-	-	100	100	-	100 ^C
breakpoints (mcg/mL) Enterococcus spp		8	8			0.5		2	4	4		S	S	4	2			4
Enterococcus species, all	75	96	97	-	-	37	-	91	17	20	-	81	85	98	100	100	-	98
Enterococcus faecalis	70	98	100	-	-	37	-	92	16	17	-	81	87	98	100	100	-	100
Enterococcus faecium	2 ^A	0	0	-	-	-	-	50	0	0	-	100	0	100	100	-	-	100
Enterococcus spp, others*	3 ^A	100	100	-	-	-	-	-	66	100	-	66	100	100	-	-	-	66

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*.