

UCDH ANTIBIOGRAM

01/01/2021 - 12/31/2021

PERCENT OF ISOLATES SUSCEPTIBLE

Stuart Cohen, M.D.

Director, Clinical Microbiology Laboratory

PEDIATRIC Inpatient ICU - Gram Negative Organisms

Category		Beta-lactams									Fluoro quino lones		Amino glycosides			Other	
Organism	n	Ampicillin	Ampicillin/ Sulbactam	Piperacillin/ Tazobactam	Cefazolin	Ceftazidime	Ceftriaxone	Cefepime	Aztreonam	Meropenem	Ciprofloxacin	Levofloxacin	Amikacin	Gentamicin	Tobramycin	Trimethoprim/ Sulfamethoxazole	Nitrofurantoin
breakpoints (mcg/mL)		8	8/4	16/4	2	4	1	2	4	1	0.25	0.5	16	4	4	2/38	32
Enterobacter cloacae complex	12 ^A	0	18	91	0	91	91	100	91	100	100	100	100	100	100	100	25
Escherichia coli	39	46	55	92	60	87	79	84	82	100	71	74	100	79	87	61	95
Klebsiella oxytoca	12 ^A	0	22	91	33	100	100	100	91	100	100	100	100	100	100	100	100
Klebsiella pneumoniae	18 ^A	0	80	100	83	88	83	83	83	100	83	88	100	83	83	66	50
Serratia marcescens	22 ^A	0	0	100	0	100	100	100	100	100	100	100	100	100	81	-	0
breakpoints (mcg/mL)				16/4		8		8	8	2	0.5	1	16	4	4		
Pseudomonas aeruginosa	30	-	-	83	-	90	-	86	70	96	86	86	100	96	100	-	-
breakpoints (mcg/mL)						8						2				2/38	
Stenotrophomonas maltophilia	12 ^A	-	-	-	-	66	-	-	-	-	-	91	-	-	-	100	-

PEDIATRIC Inpatient Non-ICU - Gram Negative Organisms

Category		Beta-lactams									Fluoro quino lones		Amino glycosides			Other	
Organism	n	Ampicillin	Ampicillin/ Sulbactam	Piperacillin/ Tazobactam	Cefazolin	Ceftazidime	Ceftriaxone	Cefepime	Aztreonam	Meropenem	Ciprofloxacin	Levofloxacin	Amikacin	Gentamicin	Tobramycin	Trimethoprim/ Sulfamethoxazole	Nitrofurantoin
breakpoints (mcg/mL)		8	8/4	16/4	2	4	1	2	4	1	0.25	0.5	16	4	4	2/38	32
Escherichia coli	39	51	63	92	74	89	87	89	87	100	69	74	100	74	82	63	100
Klebsiella oxytoca	10 ^A	0	12	90	20	100	100	100	90	100	100	100	100	100	100	100	100
Klebsiella pneumoniae	11 ^A	0	90	100	90	90	90	90	90	100	100	100	100	100	100	90	50
Serratia marcescens	11 ^A	0	0	100	0	100	100	100	100	100	100	100	100	100	90	-	0
breakpoints (mcg/mL)				16/4		8		8	8	2	0.5	1	16	4	4		
Pseudomonas aeruginosa	10 ^A	-	-	80	-	80	-	90	90	90	90	90	100	100	100	-	-

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PEDIATRIC Outpatient / ED - Gram Negative Organisms

Category		Beta-lactams									Fluoro quino lones		Amino glycosides			Other	
Organism	n	Ampicillin	Ampicillin/ Sulbactam	Piperacillin/ Tazobactam	Cefazolin	Ceftazidime	Ceftriaxone	Cefepime	Aztreonam	Meropenem	Ciprofloxacin	Levofloxacin	Amikacin	Gentamicin	Tobramycin	Trimethoprim/ Sulfamethoxazole	Nitrofurantoin
breakpoints (mcg/mL)		8	8/4	16/4	2	4	1	2	4	1	0.25	0.5	16	4	4	2/38	32
Escherichia coli	113	64	72	100	84	94	93	93	93	100	87	89	100	92	92	79	98
Klebsiella pneumoniae	13 ^A	0	66	84	76	76	76	92	76	100	76	92	100	92	92	84	38
Proteus mirabilis	5 ^A	80	100	100	60	100	100	100	100	-	100	100	100	100	100	100	0
breakpoints (mcg/mL)				16/4		8		8	8	2	0.5	1	16	4	4		
Pseudomonas aeruginosa	21 ^A	-	-	95	-	95	-	95	95	100	85	85	100	95	100	-	-

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) .

Breakpoint values in red are values that are different from the 2019 AntibioGram which was based on CLSI M100 28th Ed, Jan 2018.

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 % susceptible isolates compared to 2019

Footnote

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