

PEDIATRIC Inpatient & ICU - Gram Negative Organisms

Category		Beta-lactams									Fluoro quinolones		Aminoglycosides			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	18 ^A	0	5	72	0	77	77	100	77	100	94	100	100	94	94	94	22
Escherichia coli	47	40	48	93	68	85	78	82	82	100	70	76	100	87	87	71	100
Klebsiella oxytoca	16 ^A	0	37	100	68	93	93	93	93	100	93	100	100	93	87	93	100
Klebsiella pneumoniae	24 ^A	0	87	100	91	95	95	95	95	100	95	95	100	95	95	95	72
Serratia marcescens	10 ^A	0	0	90	0	100	100	100	100	100	80	100	90	90	70	—	0
breakpoints (mcg/mL)				16/4		8		8	8	2	0.5	1	16	4	4		
Pseudomonas aeruginosa	46	0	0	86	0	86	0	82	80	97	93	91	97	91	95	0	—
breakpoints (mcg/mL)						8						2				2/38	
Stenotrophomonas maltophilia	17 ^A	0	0	0	—	47	0	0	0	0	—	75	0	0	0	100	—

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	102	56	62	98	93	98	94	96	97	100	83	86	100	94	97	83	97
Klebsiella pneumoniae	6 ^A	0	100	100	100	100	100	100	100	100	83	100	100	100	83	66	16
Proteus mirabilis	5 ^A	80	100	100	100	100	100	100	100	—	100	100	100	100	80	100	0
breakpoints (mcg/mL)				16/4		8		8	8	2	0.5	1	16	4	4		
Pseudomonas aeruginosa	22 ^A	—	0	95	—	95	—	90	90	100	86	81	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) .

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

Footnote

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