

## UCDH ANTIBIOGRAM

01/01/2021 - 12/31/2021

PERCENT OF ISOLATES SUSCEPTIBLE

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## Inpatient ICU - Gram Negative Organisms

Category		Beta-lactams									Fluoro quino lones		Amino glycosides			Other	
Organism	n	Ampicillin	Ampicillin/ Subbactam	Piperacillin/ Tazobactam	Cefazolin	Ceftazidime	Ceftriaxone	Cefepime	Aztreonam	Meropenem	Ciprofloxacin	Levofloxacin	Amikacin	Gentamicin	Tobramycin	Trimethoprim/ Sulfamethoxazole	Nitrofurantoin
breakpoints (mcg/mL)			8/4	16/4		8	8	8		2	1	2	16	4	4	2/38	
Acinetobacter baumannii complex	28 <sup>A</sup>	-	80	0	-	57	0	67	-	75	71	75	85	67	89	78	-
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	38	0	2	78	0	78	72	92	78	100	100	100	100	100	100	97	16
Escherichia coli	95	43	51	92	60	81	77	81	79	98	68	70	100	84	81	63	100
Klebsiella aerogenes	19 <sup>A</sup>	0	0	68	0	68	68	100	68	100	94	94	100	100	100	100	0
Klebsiella pneumoniae	67	0	75	94	74	80	80	80	80	100	77	84	100	92	89	82	47
Proteus mirabilis	17 <sup>A</sup>	70	86	100	11	88	76	82	88	-	58	64	88	70	70	64	0
Serratia marcescens	24 <sup>A</sup>	0	0	95	0	93	87	91	95	100	75	86	100	91	70	-	0
breakpoints (mcg/mL)				16/4		8		8	8	2	0.5	1	16	4	4		
Pseudomonas aeruginosa	102	-	-	68	-	69	-	78	60	80	71	70	98	94	97	-	-
breakpoints (mcg/mL)						8						2				2/38	
Stenotrophomonas maltophilia	41	-	-	-	-	58	-	-	-	-	-	75	-	-	-	100	0

## Inpatient Non-ICU - Gram Negative Organisms

Category		Beta-lactams									Fluoro quino lones		Amino glycosides			Other	
Organism	n	Ampicillin	Ampicillin/ Subbactam	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
Citrobacter freundii complex	13 <sup>A</sup>	0	0	76	0	61	61	100	61	100	84	84	100	100	92	92	100
Enterobacter cloacae complex	34	0	8	70	2	67	64	85	67	100	97	97	100	100	100	81	53
Escherichia coli	280	48	56	95	67	82	80	81	81	99	68	71	99	90	90	71	98
Klebsiella aerogenes	15 <sup>A</sup>	0	0	80	0	66	66	93	73	93	93	93	100	100	100	100	30
Klebsiella oxytoca	15 <sup>A</sup>	0	53	83	26	100	93	100	93	100	93	93	100	100	100	100	100
Klebsiella pneumoniae	87	0	61	89	77	86	85	86	86	100	79	81	100	88	88	78	32
Proteus mirabilis	44	79	84	97	15	97	93	97	100	100	72	75	100	84	79	81	0
Serratia marcescens	12 <sup>A</sup>	0	0	91	0	91	83	91	91	100	100	100	100	100	58	-	0
breakpoints (mcg/mL)				16/4		8		8	8	2	0.5	1	16	4	4		
Pseudomonas aeruginosa	112	-	-	90	-	88	-	92	81	91	83	83	99	94	98	-	-
breakpoints (mcg/mL)						8						2				2/38	
Stenotrophomonas maltophilia	28 <sup>A</sup>	-	-	-	-	53	-	-	-	-	-	82	-	-	-	96	-

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**Outpatient / ED - Gram Negative Organisms**

Category		Beta-lactams									Fluoro quinolones		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
Citrobacter freundii complex	57	0	0	92	0	84	84	98	84	100	94	94	100	92	92	84	94
Citrobacter koseri	63	0	94	98	90	95	96	98	98	100	96	98	100	100	100	96	38
Enterobacter cloacae complex	77	1	0	85	0	80	80	93	84	100	93	93	100	96	96	88	29
Escherichia coli	2694	63	69	98	83	94	93	94	94	100	80	82	100	93	93	80	98
Klebsiella aerogenes	54	0	0	90	0	88	88	98	88	100	92	94	100	100	100	98	34
Klebsiella oxytoca	71	0	51	91	35	94	91	94	90	100	92	97	100	95	95	91	89
Klebsiella pneumoniae	560	0	83	94	86	94	94	95	95	100	89	93	100	97	96	88	46
Morganella morganii	36	0	25	88	0	88	88	100	87	100	64	64	100	84	92	68	0
Proteus mirabilis	166	81	86	99	35	98	96	98	98	100	82	83	100	88	89	84	0
Serratia marcescens	38	0	0	100	0	100	87	100	100	100	76	84	100	97	81	100	0
breakpoints (mcg/mL)				16/4		8		8	8	2	0.5	1	16	4	4		
Pseudomonas aeruginosa	231	-	-	93	-	95	-	93	80	91	79	78	99	94	98	-	-
breakpoints (mcg/mL)						8						2				2/38	
Stenotrophomonas maltophilia	31	-	-	-	-	29	-	-	-	-	-	83	-	-	-	96	-

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 Antibioqram 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.

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

≥10% decrease in % susceptible isolates compared to 2019

**Footnote**

<sup>A</sup> Calculated from fewer than the standard recommendation of 30 isolates. Interpret with caution.