

COURTESY OF:



**PATHOLOGY LABORATORY**

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**Microbiology Department  
ANTIBIOGRAM**

Data Source: Clinic and Out-Patient Specimens  
Data collection period: January-December 2018

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# ANTIBIOTIC SUSCEPTIBILITY SUMMARY

## Gram Negative Organisms

Antibiotic	Organism / Number Of Isolates Tested / Percent (%) Susceptible												
	Acinetobacter baumannii	Citrobacter freundii	Citrobacter koseri	Enterobacter aerogenes	Enterobacter cloacae	Escherichia coli	Klebsiella pneumoniae	Klebsiella oxytoca	Morganella morganii	Proteus mirabilis	Pseudomonas aeruginosa	Serratia marcescens	Stenotrophomonas maltophilia
	10	123	78	141	164	6093	888	198	89	587	732	130	86
Amikacin	---	---	---	---	---	---	---	---	---	---	78	---	---
Amoxicillin/CA	---	3	95	2	0	---	---	---	0	---	---	0	---
Ampicillin	---	8	0	0	0	62	2	0	0	73	---	8	---
Ampicillin/Sulbactam	---	50	96	23	6	97	83	45	22	---	---	0	---
Cefazolin	---	1	82	0	0	95	99	47	1	75	---	0	---
Cefepime	100	---	---	---	---	*	---	---	---	---	90	---	---
Ceftazidime	100	92	100	91	87	*	---	---	80	94	93	95	---
Ceftriaxone	---	92	100	86	77	*	---	---	73	97	---	96	---
Ciprofloxacin	100	97	100	98	94	88	97	98	86	62	81	94	---
Gentamicin	100	94	97	99	98	93	99	99	89	88	84	97	---
Imipenem	---	---	---	---	---	---	---	---	---	---	84	---	---
Levofloxacin	100	96	97	99	96	85	98	99	88	68	82	92	---
Meropenem	100	---	---	---	---	---	---	---	---	---	95	---	---
Nitrofurantoin (U)	---	98	76	15	20	98	48	91	0	1	---	0	---
Pip/Tazobactam	100	98	100	94	89	99	100	100	98	99	96	100	---
Tetracycline	78	92	94	93	86	78	83	97	29	2	---	5	---
Ticarcillin/CA	---	---	---	89	93	83	87	98	93	100	---	91	---
Tobramycin	100	95	97	100	96	94	99	99	98	89	95	95	---
Trimethoprim/Sulfa	100	89	92	97	89	79	90	95	77	71	---	95	100

(U) - For urinary tract isolates only

ESBL Producing *Escherichia coli* - 296

ESBL Producing *Klebsiella species* - 28

ESBL Producing *Proteus mirabilis* - 4

\* Due to epidemiological software limitations (cephalosporin cascade), third and fourth generation cephalosporins are not reported for this isolate.

## Gram Positive Organisms

	Organism / # Tested / % Susceptible					
	Staphylococcus aureus	Staphylococcus aureus - MRSA	Staphylococcus lugdunensis	Staphylococcus epidermidis	Enterococcus faecalis	Enterococcus faecium
Antibiotic	1669	749	173	72	830	40
Ampicillin	-----	-----	-----	-----	99	35
Amoxicillin/CA	100	-----	100	100	-----	-----
Cefazolin	-----	-----	-----	-----	-----	-----
Clindamycin	72	60	81	62	-----	-----
Erythromycin	63	13	78	31	-----	-----
Gentamicin	98	96	99	90	-----	-----
Gentamicin Synergy	-----	-----	-----	-----	78	100
Levofloxacin	-----	-----	-----	-----	84	31
Nitrofurantoin (U)	98	100	100	100	99	53
Oxacillin	100	0	98	42	-----	-----
Penicillin G	5	0	12	10	-----	-----
Rifampin	-----	100	-----	-----	-----	-----
Streptomycin Synergy	-----	-----	-----	-----	86	50
Tetracycline	92	91	98	78	26	47
Trimethoprim/Sulfa	100	97	99	63	-----	-----
Vancomycin	100	100	100	100	100	58

**(U) - For urinary tract isolates only**

## Streptococcus pneumoniae

Number Of Isolates Tested / Percent (%) Susceptible	
Antibiotic	91 Isolates
Amoxicillin/CA	90%
Cefepime	96%
Cefotaxime	97% / 87% CSF Level
Ceftriaxone	94% / 75% CSF Level
Cefuroxime	87%
Erythromycin	40%
Levofloxacin	100%
Penicillin G	92% ( S ) 7%( I ) 1% ( R ) 54% ( S ) CSF Level
Tetracycline	79%
Trimethoprim/Sulfa	68%
Vancomycin	100%

## Haemophilus influenzae

303 Isolates

Beta Lactamase Negative: 234 (77%)  
Beta Lactamase Positive: 69 (23%)