

**HNELHD Cumulative Antibigram 2019: Calvary Mater Newcastle**
**Blood Culture Isolates**

Organism	Antibiotic	Ampicillin	Amoxicillin and clavulanate	Cefazolin	Gentamicin	Tobramycin	Amikacin	Piperacillin and tazobactam	Ceftriaxone	Cefepime	Ceftazidime	Ciprofloxacin	Meropenem	Vancomycin	Sulfamethoxazole and trimethoprim	Benzylicillin	Flucloxacillin
<i>Escherichia coli</i>	% susceptible	49.0	72.4	57.5	96.2	96.1	99.3	92.2	96.8	94.3	95.5	89.8	100		74.5		
	Number of isolates	157	156	153	156	152	151	153	157	53	156	157	157		157		
<i>Klebsiella pneumoniae</i>	% susceptible	0	93.9	84.9	100	100	100	90.3	100		100	96.9	100		90.9		
	Number of isolates	33	33	33	33	33	33	31	33		33	32	33		33		
AMP C producing <i>Enterobacteriales</i>	% susceptible	0	0	0	81.3	80.6	93.5	53.1	62.5		62.5	78.1	87.5		84.4		
	Number of isolates	32	31	32	32	31	31	32	32		32	32	32		32		
<i>Staphylococcus aureus</i>	% susceptible	*	*	*				*							100	28.9	97.8
	Number of isolates														45	45	45

LEGEND	
	>90% susceptible
	70-89% susceptible
	<70% susceptible or intrinsically resistant
	Insufficient data: Gram positive organism
	Insufficient data: Gram negative organism
	Use with caution in children
	Routinely reported antimicrobials
	Restricted or 2nd line antimicrobials
	Extrapolated from other susceptibilities

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**Urine Isolates**

Organism	Antibiotic	Ampicillin	Amoxicillin and clavulanate	Amoxicillin and clavulanate (Urine)	Cefazolin	Trimethoprim	Sulfamethoxazole and trimethoprim	Nitrofurantoin	Gentamicin	Tobramycin	Amikacin	Piperacillin and tazobactam	Ceftriaxone	Ceftazidime	Cefepime	Meropenem	Norfloracin	Ciprofloxacin	Vancomycin	Flucloxacillin	Benzylpenicillin
<i>Escherichia coli</i>	% susceptible	83.2	70.3	72.7	85.2	74.1	68.2	98.4	94.5	86.6	97.5	87.5	93.3	92.3	89.7	99.7	88.0	83.6			
	Number tested	675	669	183	640	675	267	673	672	276	276	281	675	652	261	302	672	440			
<i>Klebsiella pneumoniae</i>	% susceptible	0	90.4	93.3	76.3	89.4	97.8		97.7	95.9	95.9	87.8	95.2	93.9	95.7	100.0	91.8	93.3			
	Number tested	85	83	30	80	85	45		85	49	49	49	83	82	46	50	85	60			
<i>Proteus mirabilis</i>	% susceptible	85.4	93.6		48.9	85.4			97.9	95.0	95	100	100	100		100	100	100			
	Number tested	48	47		47	48			48	20	20	20	48	48		20	47	34			
Other Non-AMPC producing <i>Enterobacteriales</i>	% susceptible	0	88.2		34.4	97.1			100				94.1	100			100	100			
	Number tested	34	34		32	34			33				34	32			34	26			
<i>Enterobacter cloacae</i> complex	% susceptible	0	0	0	0	58.8	57.7		67.7	59.3	96.3	46.2	64.7	67.7	80.8	92.6	73.5	66.7			
	Number tested	34	35	9	34	34	26		34	27	27	26	34	34	26	27	34	27			
Other AMPC producing <i>Enterobacteriales</i>	% susceptible	0	0	0	0	92.5	95.8		97.5	83.3	95.8	78.3	80.0	82.1	100	100	95.0	93.5			
	Number tested	39	40	42	40	40	24		40	24	24	23	40	39	24	32	40	31			
<i>Pseudomonas aeruginosa</i>	% susceptible								97.0	96.6	89.7	82.1		93.9	92.9	100.0	97.2	91.4			
	Number tested								66	29	29	28		66	28	39	36	58			
<i>Staphylococcus saprophyticus</i>	% susceptible					95.5													100	95.45	
	Number tested					22													4	22	
<i>Enterococcus</i> species	% susceptible	88.9	*	*				99.0				*					83.9	*	93.8		
	Number tested	117						103									56		65		

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**Other AMPC producing *Enterobacteriales***

- Enterobacter aerogenes*
- Citrobacter freundii* complex
- Citrobacter braakii*
- Morganella morganii*
- Serratia* species

HNELHD Cumulative Antibiogram 2019: Calvary Mater Newcastle				Other Culture Isolates																							
Organism	Antibiotic	Ampicillin	Amoxicillin and clavulanate	Cefazolin	Sulfamethoxazole and trimethoprim	Gentamicin	Tobramycin	Amikacin	Ceftriaxone	Cefepime	Ceftazidime	Piperacillin and tazobactam	Meropenem	Ciprofloxacin	Vancomycin	Teicoplanin	Linezolid	Daptomycin	Fusidic acid	Rifampicin	Clindamycin	Erythromycin	Mupirocin (topical)	Doxycycline	Benzylicillin	Flucloxacillin	
<i>Staphylococcus aureus</i>	% susceptible	*	*	*	98.5	98.5								91.5	100	97.7	100	99.7	96.7	99.4	90.9	85.5	98.3	96.9	15.9	79.7	
	Number tested				477	330								330	332	298	298	298	330	330	298	477	475	477	472	477	
<i>Streptococcus pneumoniae</i>	% susceptible	*	*	*								*										87.0	91.3	91.3	83.7		
	Number tested										0											22	23	23	43		
<i>Streptococcus pyogenes</i> (Group A)	% susceptible	*	*	*								*			100							92.6	94.8	100	100	*	
	Number tested														54							54	0	58	54		
Other B-haemolytic Streptococci	% susceptible	*	*	*								*			100							79.3	62.1	100	100		
	Number tested														29							29	29	29	29		
Non-AMPC producing Enterobacteriales	% susceptible	53.1	86.8	74.4	95.9	100.0	97.6	100.0	98.0	96.0	97.6	94.7	100.0	97.8													
	Number tested	49	38	39	49	41	41	41	49	25	41	38	41	45													
AMPC producing Enterobacteriales	% susceptible	0	0	0	95.1	90.2	87.8	92.7	80.5	94.1	80.5	80.5	100.0	100.0													
	Number tested	41	39	40	41	41	41	41	41	34	41	41	41	41													
<i>Pseudomonas aeruginosa</i>	% susceptible				94.3	100	94.3	94.3	92.9	94.3	93.9	92.5	90.6														
	Number tested				53	53	53	53	42	53	49	53	53														
<i>Haemophilus influenzae</i>	% susceptible	57.3	79.6		82.9				94.3			*													96.6		
	Number tested	89	88		89				87																89		

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