John Hunter Hospital , 2017

Includes isolates from all samples except urine cultures and infection control screening samples.

Non-urinary isolate antibiogram

	Organism type	# strains	% total	Routinely reported antibiotics								Restricted or second line antibiotics					
				Ampicillin	Amoxycillin + clavulanate	Cefazolin / cephalexin	Flucloxacillin/ dicloxacillin	Erythromycin/ clindamycin	Tetracycline	Trimethoprim+ +S'methoxazole	Gentamicin (aminoglycoside)	Ceftriaxone	Piperacillin + tazobactam	Ceftazidime	Meropenem (carbapenem)	Ciprofloxacin	Vancomycin
	All isolates	8,629	100%	Some miscellaneous/contaminant species excluded.													
Gram negative isolates	*Escherichia coli*	718	8%	58%	79%	77%	R	R	n/a	85%	96%	93%	92%	92%	100%	94%	R
	Klebsiella species	347	4%	R	94%	71%	R	R	n/a	97%	97%	95%	91%	97%	100%	97%	R
	Enterobacter -like species*	720	8%	R	R	R	R	R	R	94%	96%	**	73%	89%	99%	97%	R
	Pseudomonas aeruginosa	2,095	24%	R	R	R	R	R	R	R	94%	R	94%	94%	95%	92%	R
	Haemophilus influenzae	1,674	19%	66%	89%	n/a	R	R	99%	72%	S	98%	S	S	S	S	R
Gram positive isolates	*Staphylococcus aureus*- ALL	1,692	20%	-	-	-	84%	83%	95%	99%	n/a						
	Methicillin-susc. S. aureus	1,417	16%	16%	S	S	100%	87%	97%	100%	n/a	-	S	-	S	-	100%
	Methicillin-resistant S. aureus	275	3%	R	R	R	R	63%	85%	94%	87%	R	R	R	R	-	100%
	Streptococcus pyogenes (group A strep)	239	3%	100%	S	S	S	97%	85%	n/a	R	S	S	-	S	-	S
	Streptococcus agalactiae (group B strep)	483	6%	100%	S	S	S	80%	25%	n/a	R	S	S	-	S	-	S
								79	79								
	Streptococcus dysgalactiae (group C or G strep)	483	6%	100%	S	S	S	76%	64%	n/a	R	S	S	-	S	-	S
	Streptococcus pneumoniae	178	2%	83%	-	-	-	77%	85%	n/a	R	S	S	-	S	-	S
				***				99	99								

n/a	not available - not routinely tested in this laboratory or no testing standard available
93%	> 90% of isolates susceptible

Calvary Mater Hospital, July 2016-2017

Includes isolates from all samples except urine cultures and infection control screening samples.

Non-urinary isolate antibiogram

	Organism type	# strains	% total	Routinely reported antibiotics								Restricted or second line antibiotics					
				Ampicillin	Amoxycillin + clavulanate	Cefazolin / cephalexin	Flucloxacillin/ dicloxacillin	Erythromycin/ clindamycin	Tetracycline	Trimethoprim+ +S'methoxazole	Gentamicin (aminoglycoside)	Ceftriaxone	Piperacillin + tazobactam	Ceftazidime	Meropenem (carbapenem)	Ciprofloxacin	Vancomycin
	All isolates	2,094	100%	Some miscellaneous/contaminant species excluded.													
Gram negative isolates	*Escherichia coli*	309	15%	47%	74%	74%	R	R	n/a	79%	93%	93%	93%	93%	100%	89%	R
	Klebsiella species	119	6%	R	92%	76%	R	R	n/a	100%	98%	96%	89%	97%	100%	98%	R
	Enterobacter -like species*	88	4%	R	R	R	R	R	R	93%	98%	**	86%	85%	100%	98%	R
	Pseudomonas aeruginosa	181	9%	R	R	R	R	R	R	R	96%	R	95%	96%	98%	93%	R
	Haemophilus influenzae	253	12%	62%	88%	n/a	R	R	99%	70%	S	99%	S	S	S	S	R
Gram positive isolates	*Staphylococcus aureus-* ALL	810	39%	-	-	-	81%	86%	97%	100%	n/a						
	Methicillin-susc. S. aureus	659	31%	19%	S	S	100%	88%	98%	100%	n/a	-	S	-	S	-	100%
	Methicillin-resistant S. aureus	151	7%	R	R	R	R	74%	94%	99%	n/a	R	R	R	R	-	100%
	Streptococcus pyogenes (group A strep)	103	5%	100%	S	S	S	95%	87%	n/a	R	S	S	-	S	-	S
	Streptococcus agalactiae (group B strep)	48	2%	100%	S	S	S	79%	32%	n/a	R	S	S	-	S	-	S
	Streptococcus dysgalactiae (group C or G strep)	53	3%	100%	S	S	S	81%	69%	n/a	R	S	S	-	S	-	S
	Streptococcus pneumoniae	130	6%	85% ***	-	-	-	83%	83%	n/a	R	S	S	-	S	-	S

Lower and Upper Hunter Valley Sectors including Maitland and Belmont Hospitals, 2017

Includes isolates from all samples except urine cultures and infection control screening samples.

Non-urinary isolate antibiogram

	Organism type	Isolates	% total	Routinely reported antibiotics								Restricted or second line antibiotics					
				Ampicillin	Amoxycillin + clavulanate	Cefazolin / cephalexin	Flucloxacillin/ dicloxacillin	Erythromycin/ clindamycin	Tetracycline	Trimethoprim+ +S'methoxazole	Gentamicin (aminoglycoside)	Ceftriaxone	Piperacillin + tazobactam	Ceftazidime	Meropenem (carbapenem)	Ciprofloxacin	Vancomycin
	All isolates	2,858	100%	Some miscellaneous/contaminant species excluded.													
Gram negative isolates	*Escherichia coli*	211	7%	51%	79%	72%	R	R	n/a	78%	91%	91%	96%	92%	100%	84%	R
	Klebsiella species	59	2%	R	92%	74%	R	R	n/a	95%	95%	97%	92%	95%	100%	95%	R
	Enterobacter -like species*	49	2%	R	R	R	R	R	R	98%	98%	**	85%	90%	100%	96%	R
	Pseudomonas aeruginosa	163	6%	R	R	R	R	R	R	R	96%	R	93%	93%	97%	91%	R
	Haemophilus influenzae	217	8%	65%	83%	n/a	R	R	99%	75%	S	99%	S	S	S	S	R
Gram positive isolates	*Staphylococcus aureus*- ALL	1,367	48%	-	-	-	80%	86%	96%	99%	n/a						
	Methicillin-susc. S. aureus	1,098	38%	16%	S	S	100%	89%	97%	100%	n/a	-	S	-	S	-	100%
	Methicillin-resistant S. aureus	269	9%	R	R	R	R	74%	92%	99%	n/a	R	R	R	R	-	100%
	Streptococcus pyogenes (group A strep)	318	11%	100%	S	S	S	94%	90%	n/a	R	S	S	-	S	-	S
	Streptococcus agalactiae (group B strep)	240	8%	100%	S	S	S	85%	19%	n/a	R	S	S	-	S	-	S
								81	81								
	Streptococcus dysgalactiae (group C or G strep)	67	2%	100%	S	S	S	100%	70%	n/a	R	S	S	-	S	-	S
	Streptococcus pneumoniae	167	6%	85%	-	-	-	77%	76%	n/a	R	S	S	-	S	-	S
				***													

Tamworth Hospital and Peel Sector , July 2016-2017

Includes isolates from all samples except urine cultures and infection control screening samples.

Non-urinary isolate antibiogram

	Organism type	# strains	% total	Routinely reported antibiotics								Restricted or second line antibiotics					
				Ampicillin	Amoxycillin + clavulanate	Cefazolin / cephalexin	Flucloxacillin/ dicloxacillin	Erythromycin/ clindamycin	Tetracycline	Trimethoprim+ +S'methoxazole	Gentamicin (aminoglycoside)	Ceftriaxone	Piperacillin + tazobactam	Ceftazidime	Meropenem (carbapenem)	Ciprofloxacin	Vancomycin
	All isolates	2,377	100%	Some miscellaneous/contaminant species excluded.													
Gram negative isolates	*Escherichia coli*	202	8%	59%	90%	90%	R	R	n/a	87%	96%	94%	92%	0%	100%	95%	R
	Klebsiella species	77	3%	R	91%	78%	R	R	n/a	92%	95%	91%	90%	100%	100%	96%	R
	Enterobacter -like species*	107	5%	R	R	R	R	R	R	90%	92%	**	21%	0%	100%	99%	R
	Pseudomonas aeruginosa	220	9%	R	R	R	R	R	R	R	96%	R	99%	96%	97%	93%	R
	Haemophilus influenzae	140	6%	64%	88%	n/a	R	R	99%	65%	S	98%	S	S	S	S	R
Gram positive isolates	*Staphylococcus aureus-* ALL	1,007	42%	-	-	-	80%	87%	97%	98%	n/a						
	Methicillin-susc. S. aureus	808	34%	20%	S	S	100%	89%	98%	99%	n/a	-	S	-	S	-	100%
	Methicillin-resistant S. aureus	199	8%	R	R	R	R	78%	89%	94%	n/a	R	R	R	R	-	100%
	Streptococcus pyogenes (group A strep)	338	14%	100%	S	S	S	99%	89%	n/a	R	S	S	-	S	-	S
	Streptococcus agalactiae (group B strep)	132	6%	100%	S	S	S	82%	23%	n/a	R	S	S	-	S	-	S
								96	96								
	Streptococcus dysgalactiae (group C or G strep)	44	2%	100%	S	S	S	91%	64%	n/a	R	S	S	-	S	-	S
	Streptococcus pneumoniae	110	5%	99%	-	-	-	86%	89%	n/a	R	S	S	-	S	-	S
				***													

Maitland Hospital and Lower Hunter Sector, 2017

Includes isolates from all samples except urine cultures and infection control screening samples.

Non-urinary isolate antibiogram

	Organism type	Isolates	% total	Routinely reported antibiotics								Restricted or second line antibiotics					
				Ampicillin	Amoxycillin + clavulanate	Cefazolin / cephalexin	Flucloxacillin/ dicloxacillin	Erythromycin/ clindamycin	Tetracycline	Trimethoprim+ +S'methoxazole	Gentamicin (aminoglycoside)	Ceftriaxone	Piperacillin + tazobactam	Ceftazidime	Meropenem (carbapenem)	Ciprofloxacin	Vancomycin
	All isolates	2,557	100%	Some miscellaneous/contaminant species excluded.													
Gram negative isolates	*Escherichia coli*	325	13%	54%	81%	78%	R	R	n/a	78%	93%	96%	93%	94%	100%	89%	R
	Klebsiella species	70	3%	R	96%	73%	R	R	n/a	96%	97%	97%	96%	94%	100%	96%	R
	Enterobacter -like species*	59	2%	R	R	R	R	R	R	96%	97%	**	90%	86%	100%	100%	R
	Pseudomonas aeruginosa	150	6%	R	R	R	R	R	R	R	97%	R	95%	96%	97%	91%	R
	Haemophilus influenzae	189	7%	61%	82%	n/a	R	R	100%	70%	S	98%	S	S	S	S	R
Gram positive isolates	*Staphylococcus aureus*- ALL	1,099	43%	-	-	-	80%	85%	96%	99%	n/a						
	Methicillin-susc. S. aureus	883	35%	16%	S	S	100%	88%	97%	100%	n/a	-	S	-	S	-	100%
	Methicillin-resistant S. aureus	216	8%	R	R	R	R	74%	91%	98%	n/a	R	R	R	R	-	100%
	Streptococcus pyogenes (group A strep)	263	10%	100%	S	S	S	93%	88%	n/a	R	S	S	-	S	-	S
	Streptococcus agalactiae (group B strep)	178	7%	100%	S	S	S	83%	15%	n/a	R	S	S	-	S	-	S
								81	81								
	Streptococcus dysgalactiae (group C or G strep)	61	2%	100%	S	S	S	100%	70%	n/a	R	S	S	-	S	-	S
	Streptococcus pneumoniae	153	6%	86%	-	-	-	76%	77%	n/a	R	S	S	-	S	-	S
				***													

Manning Base Hospital, LMNC Sector, July 2016-2017

Includes isolates from all samples except urine cultures and infection control screening samples.

Non-urinary isolate antibiogram

	Organism type	Isolates	% total	Routinely reported antibiotics								Restricted or second line antibiotics					
				Ampicillin	Amoxycillin + clavulanate	Cefazolin / cephalexin	Flucloxacillin/ dicloxacillin	Erythromycin/ clindamycin	Tetracycline	Trimethoprim+ +S'methoxazole	Gentamicin (aminoglycoside)	Ceftriaxone	Piperacillin + tazobactam	Ceftazidime	Meropenem (carbapenem)	Ciprofloxacin	Vancomycin
	All isolates	1,743	100%	Some miscellaneous/contaminant species excluded.													
Gram negative isolates	*Escherichia coli*	213	12%	54%	82%	79%	R	R	n/a	81%	93%	94%	95%	95%	100%	92%	R
	Klebsiella species	55	3%	R	93%	79%	R	R	n/a	93%	100%	96%	88%	98%	100%	98%	R
	Enterobacter -like species*	66	4%	R	R	R	R	R	R	94%	93%	**	89%	85%	100%	95%	R
	Pseudomonas aeruginosa	127	7%	R	R	R	R	R	R	R	94%	R	92%	93%	94%	94%	R
	Haemophilus influenzae	163	9%	66%	89%	n/a	R	R	99%	77%	S	99%	S	S	S	S	R
Gram positive isolates	*Staphylococcus aureus-* ALL	733	42%	-	-	-	79%	85%	97%	99%	n/a						
	Methicillin-susc. S. aureus	579	33%	15%	S	S	100%	85%	98%	100%	n/a	-	S	-	S	-	100%
	Methicillin-resistant S. aureus	154	9%	R	R	R	R	84%	95%	98%	n/a	R	R	R	R	-	100%
	Streptococcus pyogenes (group A strep)	144	8%	100%	S	S	S	97%	78%	n/a	R	S	S	-	S	-	S
	Streptococcus agalactiae (group B strep)	64	4%	100%	S	S	S	83%	47%	n/a	R	S	S	-	S	-	S
								36	36								
	Streptococcus dysgalactiae (group C or G strep)	48	3%	100%	S	S	S	90%	65%	n/a	R	S	S	-	S	-	S
	Streptococcus pneumoniae	130	7%	88%	-	-	-	88%	88%	n/a	R	S	S	-	S	-	S
				***													

Armidale Hospital and Tablelands Sector, July 2016-2017

Includes isolates from all samples except urine cultures and infection control screening samples.

Non-urinary isolate antibiogram

	Organism type	Isolates	% total	Routinely reported antibiotics								Restricted or second line antibiotics					
				Ampicillin	Amoxycillin + clavulanate	Cefazolin / cephalexin	Flucloxacillin/ dicloxacillin	Erythromycin/ clindamycin	Tetracycline	Trimethoprim+ +S'methoxazole	Gentamicin (aminoglycoside)	Ceftriaxone	Piperacillin + tazobactam	Ceftazidime	Meropenem (carbapenem)	Ciprofloxacin	Vancomycin
	All isolates	1,451	100%	Some miscellaneous/contaminant species excluded.													
Gram negative isolates	*Escherichia coli*	93	6%	61%	84%	88%	R	R	n/a	96%	96%	95%	95%	89%	100%	95%	R
	Klebsiella species	35	2%	R	100%	69%	R	R	n/a	100%	100%	100%	97%	100%	100%	100%	R
	*Enterobacter-like species**	38	3%	R	R	R	R	R	R	88%	97%	**	50%	100%	97%	100%	R
	Pseudomonas aeruginosa	72	5%	R	R	R	R	R	R	R	99%	R	96%	92%	96%	93%	R
	Haemophilus influenzae	96	7%	74%	89%	n/a	R	R	99%	75%	S	99%	S	S	S	S	R
Gram positive isolates	*Staphylococcus aureus- ALL*	513	35%	-	-	-	81%	98%	92%	98%	n/a						
	Methicillin-susc. S. aureus	413	28%	21%	S	S	100%	99%	94%	99%	n/a	-	S	-	S	-	100%
									355								
	Methicillin-resistant S. aureus	100	7%	R	R	R	R	96%	84%	96%	n/a	R	R	R	R	-	100%
									91								
	Streptococcus pyogenes (group A strep)	127	9%	100%	S	S	S	97%	88%	n/a	R	S	S	-	S	-	100%
	Streptococcus agalactiae (group B strep)	73	5%	100%	S	S	S	76%	18%	n/a	R	S	S	-	S	-	100%
								22	22								
	Streptococcus dysgalactiae (group C or G strep)	58	4%	100%	S	S	S	86%	61%	n/a	R	S	S	-	S	-	100%
	Streptococcus pneumoniae	63	4%	92%	-	-	-	94%	91%	n/a	R	S	S	-	S	-	100%
				***													

Northern NSW (all sites) 2017

Includes isolates from all samples except urine cultures and infection control screening samples.

Non-urinary isolate antibiogram

	Organism type	Isolates	% total	Routinely reported antibiotics								Restricted or second line antibiotics					
				Ampicillin	Amoxycillin + clavulanate	Cefazolin / cephalexin	Flucloxacillin/ dicloxacillin	Erythromycin/ clindamycin	Tetracycline	Trimethoprim+ +S'methoxazole	Gentamicin (aminoglycoside)	Ceftriaxone	Piperacillin + tazobactam	Ceftazidime	Meropenem (carbapenem)	Ciprofloxacin	Vancomycin
	All isolates	6,445	100%	Some miscellaneous/contaminant species excluded.													
Gram negative isolates	*Escherichia coli*	358	6%	53%	81%	67%	R	R	n/a	80%	94%	92%	95%	92%	100%	87%	R
	Klebsiella species	143	2%	R	93%	72%	R	R	n/a	97%	99%	94%	95%	97%	100%	89%	R
	*Enterobacter-like species**	212	3%	R	R	R	R	R	R	94%	94%	**	85%	84%	100%	83%	R
	Pseudomonas aeruginosa	709	11%	R	R	R	R	R	R	R	95%	R	90%	94%	97%	91%	R
	Haemophilus influenzae	305	5%	60%	86%	n/a	R	R	99%	77%	S	98%	S	S	S	S	R
Gram positive isolates	*Staphylococcus aureus- ALL*	3,298	51%	-	-	-	83%	85%	96%	98%	n/a						
	Methicillin-susc. S. aureus	2,731	42%	18%	S	S	100%	87%	97%	99%	n/a	-	S	-	S	-	100%
	Methicillin-resistant S. aureus	567	9%	R	R	R	R	77%	92%	95%	n/a	R	R	R	R	-	100%
	Streptococcus pyogenes (group A strep)	695	11%	100%	S	S	S	95%	68%	n/a	R	S	S	-	S	-	S
	Streptococcus agalactiae (group B strep)	186	3%	100%	S	S	S	71%	17%	n/a	R	S	S	-	S	-	S
	Streptococcus dysgalactiae (group C or G strep)	199	3%	100%	S	S	S	87%	73%	n/a	R	S	S	-	S	-	S
	Streptococcus pneumoniae	340	5%	85% ***	-	-	-	87%	89%	n/a	R	S	S	-	S	-	S

Mid-North Coast (all sites) 2017

Includes isolates from all samples except urine cultures and infection control screening samples.

Non-urinary isolate antibiogram

	Organism type	Isolates	% total	Routinely reported antibiotics								Restricted or second line antibiotics					
				Ampicillin	Amoxycillin + clavulanate	Cefazolin / cephalexin	Flucloxacillin/ dicloxacillin	Erythromycin/ clindamycin	Tetracycline	Trimethoprim+ +S'methoxazole	Gentamicin (aminoglycoside)	Ceftriaxone	Piperacillin + tazobactam	Ceftazidime	Meropenem (carbapenem)	Ciprofloxacin	Vancomycin
	All isolates	3,438	100%	Some miscellaneous/contaminant species excluded.													
Gram negative isolates	*Escherichia coli*	188	5%	57%	81%	82%	R	R	n/a	79%	93%	89%	86%	n/a	100%	90%	R
	Klebsiella species	57	2%	R	82%	72%	R	R	n/a	86%	91%	86%	88%	n/a	100%	94%	R
	Enterobacter -like species*	84	2%	R	R	R	R	R	R	98%	98%	**	42%	n/a	99%	98%	R
	Pseudomonas aeruginosa	340	10%	R	R	R	R	R	R	R	98%	R	98%	97%	96%	97%	R
	Haemophilus influenzae	209	6%	72%	91%	n/a	R	R	100%	74%	S	99%	S	S	S	S	R
Gram positive isolates	*Staphylococcus aureus-* ALL	1,966	57%	-	-	-	80%	n/a	96%	98%	n/a	-	-	-	-	-	
	Methicillin-susc. S. aureus	1,573	46%	15%	S	S	100%	88%	98%	98%	n/a	-	S	-	S	-	100%
								Eryth									
	Methicillin-resistant S. aureus	393	11%	R	R	R	R	77%	91%	96%	n/a	R	R	R	R	-	100%
								Clinda									
	Streptococcus pyogenes (group A strep)	401	12%	100%	S	S	S	97%	76%	n/a	R	S	S	-	S	-	S
	Streptococcus agalactiae (group B strep)	34	1%	100%	S	S	S	88%	22%	n/a	R	S	S	-	S	-	S
	Streptococcus dysgalactiae (group C or G strep)	79	2%	100%	S	S	S	87%	71%	n/a	R	S	S	-	S	-	S
	Streptococcus pneumoniae	80	2%	95%	-	-	-	84%	81%	n/a	R	S	S	-	S	-	S
				***													