

Table 1: Nelson Marlborough Hospital cumulative antibiotic susceptibilities 2018 (antibiogram)

Organism group	No. tested	Antibiotics in common usage										Second line/ restricted antibiotics ¹								
		Penicillin	Amoxicillin	Amoxicillin+clavulanate	Flucloxacillin	Cephalexin	Cefuroxime	Erythromycin	Co-trimoxazole	Doxycycline	Ceftriaxone	Trimethoprim ²	Nitrofurantoin ²	Clindamycin	Ciprofloxacin	Ceftazidime	Piperacillin-tazobactam	Meropenem	Gentamicin	Vancomycin
Non-urine isolates																				
<i>Staphylococcus aureus</i> (all)	417	18			93	93	93	93	100	97				90						
Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA, 7%)	82	0	0	0	0	0	0	66	100	99				85						100
<i>Streptococcus pyogenes</i>	53	100						98						100						
Beta haemolytic streptococci Groups B, C and G	61	100						84						88						
<i>Haemophilus influenzae</i>	62		66	90		NR		NR	79	98										
<i>E coli</i>	110		51	66			91		78		91			88		99	100	97		
<i>Pseudomonas aeruginosa</i>	53			R				R	R		R			92	94	100	91	87		
Bacteraemic isolates																				
All gram negative bacilli	153		33	51			71				75			86		100	95			
<i>E coli</i>	71		51	70			90		77		94			86		100	97			
<i>Staphylococcus aureus</i> ²	24	25			96			100	100	92				100						100
<i>Pseudomonas aeruginosa</i> ²	21			R				R		R	R				90	90	100	100	100	
Beta haemolytic streptococci Groups, A, B, C and G ³	67	100						81						84						
<i>Streptococcus pneumoniae</i> ³	32		91					75		81										100
<i>Enterococcus spp</i> ³	32			88				R			R									100
Urine isolates																				
<i>E coli</i>	547		58	87		93*	94				96	76	98		94		100	96		
Non <i>E coli</i> Enterobacteriaceae (<i>Enterobacter</i> , <i>Proteus</i> , etc)	194		38	57		73*	49		91			89			100			98		
<i>Enterococcus spp</i>	75			95			R	R			R		99							100

¹ Not recommended for first line use unless recommended by ID/Micro; second line antibiotics are selectively tested on lower numbers of more resistant isolates

² Recommended for uncomplicated UTI isolates only

³ Caution needed when interpreting susceptibility results for a low number of clinical isolates. Cumulative results for 2016 to 2018 (inclusive) are presented for these isolates

R = always resistant

NR = not recommended

Table 2: Nelson Marlborough Community cumulative antibiotic susceptibilities 2018 (antibiogram)

Numbers denote % susceptible														
Organism group	Number tested	Antibiotics in common usage									Restricted antibiotics			
		Penicillin	Amoxicillin	Amoxicillin-clavulanate	Flucloxacillin	Cephalexin	Erythromycin	Co-trimoxazole	Doxycycline	Trimethoprim ²	Nitrofurantoin ²	Fusidic acid	Clindamycin	Ciprofloxacin
Non urinary sites														
<i>Staphylococcus aureus</i> (all)	1894	19	19	95	95	95	91	99	97			83	93	
Methicillin-resistant <i>Staph aureus</i> (MRSA, 5%)	82	0	0	0	0	0	66	100	99			79	85	
<i>Streptococcus pyogenes</i>	212	100	100		100	100	100						99	
<i>Streptococcus pneumoniae</i>	89	90	93			NR	89	97	91					
<i>Haemophilus influenzae</i>	109		50	79		NR	NR	72	100					
<i>Pseudomonas aeruginosa</i>	48		R	R		R		R	R					92 92
Urine isolates														
<i>E coli</i>	2583		56	89		95*		73		73	99			93
Non E coli Enterobacteriaceae (<i>Klebsiella</i> , <i>Proteus</i> , etc)	482		28	82		84				84				97
<i>Staphylococcus saprophyticus</i>	121		97							93	99			
<i>Pseudomonas aeruginosa</i>	53		R	R		R		R		R	R			100

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R = always resistant
NR = not recommended