

Table 1: Nelson Marlborough Hospital cumulative antibiotic susceptibilities 2019 (antibiogram)

Organism group	No. tested	Antibiotics in common usage												Second line/ restricted antibiotics ¹							
		Penicillin	Amoxicillin	Amoxicillin-clavulanate	Amoxicillin-clavulanate cystitis breakpoint	Flucloxacillin	Cephalexin	Cefuroxime	Erythromycin	Co-trimoxazole	Doxycycline	Ceftriaxone	Trimethoprim ²	Nitrofurantoin ²	Clindamycin	Ciprofloxacin	Ceftazidime	Piperacillin-tazobactam	Meropenem	Gentamicin	Vancomycin
		Numbers denote % susceptible																			
Non-urine isolates																					
<i>Staphylococcus aureus</i> (all)	1970	21			95	95	95	90	99	97				92							
Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA, 5%)	107	0	0	0	0	0	0	71	99	95				83						100	
<i>Streptococcus pyogenes</i>	33	100						94						97							
Beta haemolytic streptococci Groups B, C and G	62	100						82						89							
<i>Haemophilus influenzae</i>	54		48	80		NR			70	100											
<i>Pseudomonas aeruginosa</i>	48			R					R						88	90	96	88			
Bacteraemic isolates																					
<i>E coli</i>	61		49	60			90		74		91				90		96	100	97		
<i>Staphylococcus aureus</i> ³	58	29			100			98	100	96				98						100	
<i>Pseudomonas aeruginosa</i> ³	8			R					R						100	88	100	100			
Beta haemolytic streptococci Groups, A, B, C and G ³	32	100						84						84							
<i>Streptococcus pneumoniae</i> ³	20	95						80		85	100									100	
<i>Streptococcus pneumoniae</i> meningitis breakpoint ³	20	75																			
<i>Enterococcus spp</i> ³	16		75								R									100	
Urine isolates																					
<i>E coli</i>	664	53	70	84	94	94					97	74	96	92				100	97		
Non E coli Enterobacteriaceae (Enterobacter, Proteus, etc)	244	14	62	66	68*	68		83				80		93					97		
<i>Enterococcus spp</i>	83	90			R	R					R		95							99	
<i>Pseudomonas aeruginosa</i>	77	R	R	R	R	R				R	R	R	R	92	90	100	84	89			

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 2018 to 2019 (inclusive) are presented for these isolates

R = always resistant **NR** = not recommended

Table 2: Nelson Marlborough Community cumulative antibiotic susceptibilities 2019 (antibiogram)

		Numbers denote % susceptible														
		Antibiotics in common usage										Restricted antibiotics ¹				
Organism group	Number tested	Penicillin	Amoxicillin	Amoxicillin+clavulanate	Amoxicillin+clavulanate cystitis breakpoint	Flucloxacillin	Cephalexin	Erythromycin	Co-trimoxazole	Doxycycline	Trimethoprim ²	Nitrofurantoin ²	Fusidic acid	Clindamycin	Ciprofloxacin	Gentamicin
Non urinary sites																
<i>Staphylococcus aureus</i> (all)	2017	20	20			95	95	89	99	97			85	91		
Methicillin-resistant <i>Staph aureus</i> (MRSA, 5%)	107	0	0	0		0	0	71	99	95			88	83		
<i>Streptococcus pyogenes</i>	160	100	100			100	100	96						97		
<i>Streptococcus pneumoniae</i>	44	84	91				NR	96	86	95						
<i>Haemophilus influenzae</i>	92		48	65			NR	NR	76	99						
<i>Pseudomonas aeruginosa</i>	48		R	R			R		R	R				94	90	
Urine isolates																
<i>E coli</i>	2765	56	72	87		95*		74		74	99			93		
Non E coli Enterobacteriaceae (<i>Klebsiella</i> , <i>Proteus</i> , etc)	582	26	74	77		78				80				91		
<i>Staphylococcus saprophyticus</i>	100	92								95	100					
<i>Pseudomonas aeruginosa</i>	53		R	R			R		R	R	R			94		
¹ Not recommended for first line use unless recommended by ID/Micro												² / [*] Recommended for uncomplicated UTI only				
R = always resistant												NR = not recommended				