

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

		Numbers denote % susceptible																			
		Antibiotics in common usage											Second line/ restricted antibiotics ¹								
Organism group	No. tested	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
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		NR	70	100											
<i>Pseudomonas aeruginosa</i>	48			R			R		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		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				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				