

Table 1: Nelson Marlborough Hospital cumulative antibiotic susceptibilities 2021 (antibiogram)

		Numbers denote % susceptible																			
		Antibiotics in common usage											Second line/ restricted antibiotics ¹								
Organism group	No. tested	Penicillin	Amoxicillin	Amoxi-clav	Amoxi-clav cystitis	Flucloxacillin	Cephalexin	Cefuroxime	Erythromycin	Co-trimoxazole	Doxycycline	Ceftriaxone	Trimethoprim ²	Nitrofurantoin ²	Clindamycin	Ciprofloxacin	Ceftazidime	Piperacillin-tazo	Meropenem	Gentamicin	Vancomycin
Non-urine isolates																					
<i>Staphylococcus aureus</i> (all)	576	16			92	92	92	89	98	97					91						100
Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA, 8%)	116	0	0	0	0	0	0	73	98	97					94						100
<i>Streptococcus pyogenes</i> ³	35	100						91							88						
Beta haemolytic streptococci Groups B, C and G ³	151	100						81							84						
<i>Haemophilus influenzae</i> ³	61	49 [#]	61 [#]			NR		NR	75	100											
<i>Pseudomonas aeruginosa</i> ³	100			R			R		R		R				86 [#]	89 [#]	96 [#]	90	NR		
Bacteraemic isolates																					
<i>E coli</i>	113		61	68			88		83		92				92		99	100	98		
<i>Staphylococcus aureus</i> ³	58	14			93			91	98	100					93		99	100	98		100
<i>Pseudomonas aeruginosa</i> ³	9			R			R		R		R				88 [#]	88 [#]	88 [#]	67	NR		
Beta haemolytic streptococci Groups, A, B, C and G ³	63	100						84							83						
<i>Streptococcus pneumoniae</i> ³	11	100						82	91	100	100										100
<i>Streptococcus pneumoniae meningitis breakpoint</i> ³	11	100									100										
<i>Enterococcus spp</i> ³	15		67				R				R										100
Urine isolates																					
<i>E coli</i>	660		57	68	82	92	92		77		95	77	98		92			100	95		
<i>Klebsiella pneumoniae</i>	83		0	75	87	87	82		78		88	78	NR		86				95		
<i>Enterococcus spp</i>	72		94				R	R			R		97								100
<i>Pseudomonas aeruginosa</i>	44		R	R	R	R	R			R	R	R	R		91 [#]	82 [#]	95 [#]	98	NR		

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 Data combined with 2020

R = always resistant

NR = not recommended

[#] reported as susceptible increased exposure

Table 2: Nelson Marlborough Community cumulative antibiotic susceptibilities 2021 (antibiogram)

Numbers denote % susceptible																	
Organism group	Number tested	Antibiotics in common usage										Restricted antibiotics ¹					
		Penicillin	Amoxicillin	Amoxi+clav	Amoxi+clav cystitis	Flucloxacillin	Cephalexin	Erythromycin	Co-trimoxazole	Doxycycline	Trimethoprim ²	Nitrofurantoin ²	Fusidic acid	Clindamycin	Ciprofloxacin	Gentamicin	
Non urinary sites																	
<i>Staphylococcus aureus</i> (all)	1798	18	18		95	95	89	99	98			84	93				
Methicillin-resistant <i>Staph aureus</i> (MRSA, 6%)	116	0	0	0	0	0	73	98	97			85	94				
<i>Streptococcus pyogenes</i> ³	75	100	100		100	100	96						97				
<i>Streptococcus pneumoniae</i> ³	57		100			NR	86	82	94								
<i>Haemophilus influenzae</i> ³	63	49 [#]	77 [#]			NR	NR	86	98								
<i>Pseudomonas aeruginosa</i> ³	87	R	R			R		R	R					90 [#]	NR		
Urine isolates																	
<i>E coli</i> (all)	2545	61	74	87	94		79		79	99				84			
ESBL-producing <i>E. coli</i>	98	R		67	R		36		36	91				34			
<i>Klebsiella pneumoniae</i>	108	0	95	98	95				83	NR				91			
<i>Staphylococcus saprophyticus</i>	145	95							94	100							
<i>Pseudomonas aeruginosa</i>	57	R	R		R		R		R	R				88 [#]	NR		
¹ Not recommended for first line use unless recommended by ID/Micro																	
² Recommended for uncomplicated UTI only																	
³ Data combined with 2020																	
R = always resistant NR = not recommended [#] reported as susceptible increased exposure																	