

Table 1: Nelson Marlborough Hospital cumulative antibiotic susceptibilities 2020 (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)	482	15				90	90	90	88	98	97				91						100
Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA, 10%) ³	112	0	0	0		0	0	0	71	98	98				88						100
<i>Streptococcus pyogenes</i> ³	51	100							90						92						
Beta haemolytic streptococci Groups B, C and G ³	150	100							79						84						
<i>Haemophilus influenzae</i> ³	83	48 [#]	77 [#]			NR		NR	72	100											
<i>Pseudomonas aeruginosa</i> ³	90			R				R	R		R				83 [#]	86 [#]	95 [#]	88	NR		
Bacteraemic isolates																					
<i>E coli</i>	114		55	66				88		76		95				89		95	100	95	
<i>Staphylococcus aureus</i> ⁴	94	22			100				95	98	99				95						100
<i>Pseudomonas aeruginosa</i> ⁴	17			R				R		R		R			94 [#]	88 [#]	88 [#]	94	NR		
Beta haemolytic streptococci Groups, A, B, C and G ⁴	60	100							78						85						
<i>Streptococcus pneumoniae</i> ⁴	26	100							85		88	100									100
<i>Streptococcus pneumoniae meningitis breakpoint</i> ⁴	20	81										100									
<i>Enterococcus spp</i> ⁴	33		76					R				R									100
Urine isolates																					
<i>E coli</i>	685		56	67	80	91	92					97	77	98		91			100	97	
<i>Klebsiella sp</i>	83		0	83	88	90	87			84			84			89					97
<i>Enterococcus spp</i>	102		86				R	R						94							100
<i>Pseudomonas aeruginosa</i>	44		R	R	R	R	R				R	R	R	R		87 [#]	87 [#]	100 [#]	93	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 Cumulative results for 2019 and 2020 presented. ⁴ Cumulative results for 2018 to 2020 (inclusive) presented.
R = always resistant NR = not recommended [#] reported as susceptible increased exposure

Table 2: Nelson Marlborough Community cumulative antibiotic susceptibilities 2020 (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)	1796	18	18		94	94	90	98	98			91	92			
Methicillin-resistant <i>Staph aureus</i> (MRSA, 6%)	112	0	0	0	0	0	71	98	98			89	88			
<i>Streptococcus pyogenes</i>	59	100	100		100	100	95						100			
<i>Streptococcus pneumoniae</i> ³	74	85	91			NR	92	88	94							
<i>Haemophilus influenzae</i> ³	128	48 [#]	65 [#]			NR	NR	78	99							
<i>Pseudomonas aeruginosa</i> ³	48	R	R			R		R	R				94 [#]	NR		
Urine isolates																
<i>E coli</i>	2485	59	67	82	94*		77	77	99				86			
ESBL-producing <i>E. coli</i>	61	R		34	R		44	44	100				40			
<i>Klebsiella</i> sp	121	0	86	92	92			88	NR				91			
<i>Staphylococcus saprophyticus</i>	116	94						94	99							
<i>Pseudomonas aeruginosa</i>	43	R	R		R		R	R	R				93 [#]	NR		
¹ Not recommended for first line use unless recommended by ID/Micro				² / [*] Recommended for uncomplicated UTI only				³ Data combined with 2019								
R = always resistant		NR = not recommended			# reported as susceptible increased exposure											