MEDLAB South

Table 1: Nelson Marlborough hospital cumulative antibiotic susceptibilities 2022 (antibiogram)

Numbers denote % susceptible

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																					
Staphylococcus aureus	221	16				96			87	99	98				92						
Strep pyogenes (GAS) and *Strep agalactiae* (GBS)	50	100							78						86						
Haemophilus influenzae[3]	79		49#	61#						72	100										
Pseudomonas aeruginosa	34															88#	82#	94#		91	
Bacteraemic isolates																					
Escherichia coli	102		66	71				95		83		100				95			98	100 (97)$	
Staphylococcus aureus[3]	89	15				96			89	98	99				94						100
Pseudomonas aeruginosa[3]	16	R	R					R				R				88#	88#	94#		74	NR
Streptococcus pneumoniae[3]	25	100							91	92	96	100									100
Streptococcus pneumoniae meningitis breakpoint[3]	25	92										100									
Enterococcus spp[3]	27		67					R				R									100
Urine isolates																					
E coli (ESBL 2%)	231		65	77	90		94	94				96	80	99		93				100 (97)$	
Klebsiella spp (ESBL 7%)	52		0	79	79		77	81				89	87	NR		92				(100)$	
Enterococcus spp	51		78										80								100
Pseudomonas aeruginosa[4]	70															94#	84#	94#		97	

[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] Combined 2020, 2021 and 2022 data   [4] Combined data 2021 and 2022

R = always resistant   NR = not recommended   # reported as susceptible increased exposure

$ Bracketed "susceptibility" indicates % wild-type (i.e no detectable resistance mechanism) but this drug-bug combination is not recommended unless combined with another effective measure (eg surgical debridement/source control/an additional susceptible antimicrobial).

![MEDLAB South logo]

Table 2: Nelson Marlborough community cumulative antibiotic susceptibilities 2022 (antibiogram)

Numbers denote % susceptible

Organism group		Number tested	Penicillin	Amoxicillin	Amoxi+clav	Amoxi+clav cystitis	Flucloxacillin	Cephalexin	Erythromycin	Co-trimoxazole	Doxycycline	Trimethoprim[1]	Nitrofurantoin[1]
Non urinary sites													
Staphylococcus aureus (all)		1430	16				95	95	90	98	98		
Methicillin-resistant Staph aureus (MRSA, 5%)		72					0	0	80	96	98		
Streptococcus pneumoniae		42	87	93					86	81	95		
Haemophilus influenzae		57		61#	81#					79	100		
Urine isolates													
E coli (all)	ESBL 4%	1915		66	78	90		95				81	98
Klebsiella pneumoniae	ESBL 4%	158		0	91	93		94				82	NR
Staphylococcus saprophyticus		76										99	100
Proteus mirabilis		76		89	97	99		97				78	NR

[1] Recommended for uncomplicated UTI only [2] Combined 2021 and 2022 data

R = always resistant   **NR** = not recommended   # reported as susceptible, increased exposure