

Table 1: Taranaki region hospital cumulative antibiotic susceptibilities 2022 (antibiogram)

Organism group	No. tested	Antibiotics in common usage												Second line/ restricted antibiotics ¹						
		Numbers denote % susceptible																		
		Penicillin	Amoxicillin	Amoxi-clav	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> (8% MRSA)	628				92	92	88	99	96				89							
<i>Strep pyogenes</i> (GAS) and <i>Strep agalactiae</i> (GBS) ⁴	21	100					86						95							
<i>Haemophilus influenzae</i>	82	55 [#]	65 [#]					71	100											
<i>Pseudomonas aeruginosa</i>	88												89 [#]	91 [#]	95 [#]	97			(96) ⁵	
Bacteraemic isolates																				
<i>Escherichia coli</i>	65		49	58				77		95				91		95	100	(97) ⁵		
<i>Staphylococcus aureus</i>	53	17			91	91	88	98	98				88							
<i>Pseudomonas aeruginosa</i> ⁴	8												88 [#]	100 [#]	100 [#]	100			(100) ⁵	
Beta haemolytic streptococci Groups, A, B, C and G ⁴	25	100					72						72							
<i>Streptococcus pneumoniae</i> ⁴	12	100	100				100		100											
<i>Streptococcus pneumoniae</i> meningitis breakpoint ⁴	12	100	100				100		100											
<i>Enterococcus spp</i> ⁴	10		90																	100
Urine isolates																				
<i>E coli</i> (ESBL 3%)	769		59		93						80	100						(95) ⁵		
<i>Klebsiella pneumoniae</i> (ESBL 5%)	85		0		96						91	NR						(98) ⁵		
<i>Enterococcus spp</i>	88		92																	100
<i>Pseudomonas aeruginosa</i>	45												87 [#]	87 [#]	96 [#]	96			(89) ⁵	

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 Includes community isolates

⁴ Caution - only a very small number of isolates

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

⁵ 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/another susceptible agent).

Table 2: Taranaki region community cumulative antibiotic susceptibilities 2022 (antibiogram)

Numbers denote % susceptible

Organism group	Number tested	Antibiotics in common usage										
		Penicillin	Amoxicillin	Amoxi+clav	Amoxi+clav cystitis	Flucloxacillin	Cephalexin	Erythromycin	Co-trimoxazole	Doxycycline	Trimethoprim ¹	Nitrofurantoin ¹
Non urinary sites												
<i>Staphylococcus aureus</i> (all)	771	17			94		89	99	97			
Methicillin-resistant <i>Staph aureus</i> (MRSA, 6%)	49				0		80	100	78			
<i>Streptococcus pneumoniae</i> ²	31	89	90				90	74	87			
<i>Haemophilus influenzae</i>	49	63 [#]	78 [#]					78	98			
Urine isolates												
<i>E coli</i>	1823	64				95		80		80	99	
<i>Klebsiella pneumoniae</i>	128	0				96		87		87	NR	
<i>Staphylococcus saprophyticus</i>	96	94								94	100	
<i>Proteus mirabilis</i>	84	92				98				79	R	

¹ Recommended for uncomplicated UTI only ² Combined 2021 and 2022 data
R = always resistant NR = not recommended [#] reported as susceptible, increased exposure