

Waikato DHB cumulative antibiotic susceptibilities (antibiogram) (Compiled August 2019, based on 2018 annual data)

Numbers denote % susceptible

Organism group	Number tested	Common usage (1st line) antibiotics								Restricted (2nd line) antibiotics									
		Penicillin	Amoxicillin	Amoxicillin+clavulanate	Flucloxacillin	Cefuroxime	Erythromycin	Co-trimoxazole	Tetracycline ²	Trimethoprim ¹	Nitrofurantoin ¹	Clindamycin	Ciprofloxacin	Ceftriaxone	Ceftazidime	Piperacillin-tazobactam	Meropenem	Gentamicin	Amikacin
Swabs and Respiratory Isolates																			
<i>Staphylococcus aureus</i> (all)	2686	15			85	85	90	97	98						85	85	98		100
Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)	380						82	98	99								94		100
<i>Haemophilus influenzae</i>	369		63	84					67	100									
<i>Pseudomonas aeruginosa</i>	197	R	R	R	R	R	R	R	R										R
<i>Streptococcus pneumoniae</i>	115	#Note	87	87			76	74	77										100
<i>Streptococcus anginosus</i> group	86	99																	100
<i>E.coli</i>	82	R	26	68	R	76	R	70									89	99	R
Bacteraemic Isolates																			
<i>E. coli</i> (all)	307	R	40	74	R	85	R	66							92	100	91	99	R
ESBL-positive <i>E. coli</i>	33	R	R		R	R	R	18								100	55	97	R
<i>Klebsiella</i> species	78	R	R	87	R	85	R	85								100	92	99	R
<i>Staphylococcus aureus</i>	146	13			88	88	92	94	94							88	88	97	100
<i>Pseudomonas</i> species	33	R	R	R	R	R	R	R	R								100		R
<i>Streptococcus</i> Group A	37	100					94	94	64										100
<i>Streptococcus</i> Group B	33	100					91	100	40										100
<i>Streptococcus</i> Group C/G	36	100					89	100	54										100
<i>Streptococcus pneumoniae</i> (meningitis criteria)	44	73																	100
<i>Streptococcus pneumoniae</i> (non-meningitis criteria)	44	#Note	97	97			95	76	93										100
<i>Streptococcus viridans</i> group	69	61	70																100
<i>Enterococcus</i> spp	41		71						R										98
Urine isolates																			
<i>E. coli</i> (all)	2191	R	44	77	R	85	R	71		68	99								R
ESBL-positive <i>E. coli</i>	184	R	R		R	R	R	22		19	95					100	58	97	R
<i>Klebsiella</i> spp	321	R	R	87	R	84	R	84		79						99	90	99	R
<i>Proteus mirabilis</i>	217	R	76	92	R	99	R	89		82	R					100	98	100	R
<i>Pseudomonas aeruginosa</i>	155	R	R	R	R	R	R	R	R	R	R								R
<i>Staphylococcus aureus</i> (all)	86				95			99											95

¹recommended for uncomplicated UTI isolates only

²isolates that are Tetracycline susceptible can also be considered susceptible to Doxycycline

R = always resistant

³Note: 61% of *S.pneumoniae* isolated were fully susceptible to Penicillin (MIC ≤0.06g/L) 33% were classified as Intermediate (MIC values between 0.12g/L and 2g/L) and 6% were classified as Resistant (MIC >2g/L)

#Note: 73% of *S.pneumoniae* isolated were fully susceptible to Penicillin (MIC ≤0.06g/L) the remaining 27% had MIC values between 0.12g/L and 2g/L. No bacteraemic isolates of *S.pneumoniae* in 2018 were classified as "Resistant" using current EUCAST guidelines

<70% Susceptible
 70-89% Susceptible
 ≥90% Susceptible