

2023 Awanui Labs Canterbury Community cumulative antibiotic susceptibilities (antibiogram) (Compiled June 2024, based on 2023 annual data)

Urinary Tract Infections

Numbers denote % susceptible

Organism name	Number tested	Amoxicillin	Amoxicillin+clavulanate	Flucloxacillin	Cephalexin	Nitrofurantoin*	Trimethoprim*	Co-trimoxazole
<i>Citrobacter freundii</i> complex	65	R	R	R	R		91	
<i>Citrobacter koseri</i>	169	R	96 ^g	R	96		100	
<i>Enterobacter cloacae</i> complex	115	R	R	R	R		81	
<i>E. coli</i>	8168	57	87 ^g	R	94	99	77	
ESBL-positive <i>E. coli</i>	283	R	73 ^g	R	R	98	41	
<i>Klebsiella aerogenes</i>	58	R	R	R	R		91	
<i>Klebsiella oxytoca</i>	233	R	93 ^g	R	95		94	
<i>Klebsiella pneumoniae</i> complex	539	R	93 ^g	R	93		78	
ESBL-positive <i>Klebsiella pneumoniae</i> complex ^a	26	R	54 ^g	R	R		19	
<i>Proteus mirabilis</i>	316	92	98 ^g	R	98	R	85	
<i>Morganella morganii</i>	68	R	R	R	R	R	72	
<i>Serratia marcescens</i>	33	R	R	R	R	R	94	
<i>Serratia</i> species	45	R	R	R	R		84	
<i>Pseudomonas aeruginosa</i>	194	R	R		R	R	R	R
<i>Enterococcus faecalis</i>	470	S		R	R	100		
<i>Enterococcus faecium</i> ^a	15	7		R	R			
<i>Staphylococcus saprophyticus</i>	516	96	S [^]	97	S [^]	100	94	

2nd line antibiotics							
Ciprofloxacin	Gentamicin	Fosfomycin*	Mecillinam*	Ceftazidime	Piperacillin-Tazobactam	Meropenem	Vancomycin
98	96					100 ^b	
98 ^c	100 ^a						
96	97					100	
88 ^f	88 ^e	94 ^d	100 ^c			100 ^d	
35	70	92	41 ^b			100	
97 ^b	100 ^a					100 ^a	
98 ^d	100 ^c					100 ^a	
81 ^d	90 ^c					100 ^a	
4	69					100	
97	100 ^a						
85	93					100 ^b	
91 ^a	100 ^a					100 ^a	
88	100						
90 ^h				90 ^h	99 ^h	97 ⁱ	
96							100
0							100

^a Caution needed in interpreting these results as low number of isolates (10 - 30 isolates)

^b Actual number tested is between 30 - 50.

^c Actual number tested is between 50 - 100.

^d Actual number tested is between 100 - 500.

^e Actual number tested is between 500 - 1000.

^f Actual number tested is between 1000 - 5000.

^g Includes both Susceptible and Susceptible, increased exposure results.

^h Includes Susceptible, increased exposure results only.

ⁱ 88% = Susceptible. 9% = Susceptible, increased exposure results.

* Uncomplicated UTI only

[^] *Staphylococcus* species that are flucloxacillin susceptible can be considered susceptible to amoxicillin+clavulanate, cephalosporins, cephalosporins, cefaclor, and cefuroxime

S = Not specifically tested but known to be ordinarily susceptible

R = intrinsically resistant

≥ 90% susceptible
70-89% susceptible
<70% susceptible
Insufficient data (<10 isolates) or not tested