

Antimicrobial resistance data from hospital and community laboratories, 2003¹

	Percent resistance (number tested) ²																
	amikacin	ampicillin	cefazidime	ceftriaxone/cefotaxime	cefuroxime/cefamandol	cephalothin	co-amoxiclav	co-trimoxazole	fluoroquinolone	gentamicin	imipenem/meropenem	nitrofurantoin	piperacillin	tetracycline	ticarcillin	tobramycin	trimethoprim
<i>Acinetobacter</i> spp. ³			11.3 (204)					10.5 (389)	5.1 (531)	7.0 (474)	0.9 (215)					6.6 (121)	
<i>Citrobacter freundii</i> ³		91.4 (394)		19.3 (140)	30.4 (161)	90.6 (127)	65.5 (371)	6.4 (202)	1.7 (361)	3.7 (299)							
<i>Enterobacter</i> spp. ³	0.4 (564)	97.1 (2103)		18.8 (1071)	41.3 (1192)	94.1 (912)	84.7 (2089)	9.1 (1588)	4.7 (1818)	4.9 (1518)	0 (831)			3.8 (104)		5.3 (359)	
<i>Escherichia coli</i> from bacteraemia	0 (340)	57.0 (990)		0.4 (841)	1.5 (941)	11.7 (489)	11.1 (828)		4.0 (1003)	1.9 (1034)	0 (522)					1.1 (281)	
<i>E. coli</i> urinary	0.1 (4079)	51.8 (38706)		0.9 (5905)	1.8 (6483)	16.4 (7834)	9.4 (44848)	21.7 (7230)	3.1 (45217)	2.3 (12149)		1.5 (46970)				0.7 (2975)	22.2 (46823)
<i>Klebsiella</i> spp.	0.2 (917)	97.6 (6275)		2.9 (1653)	5.8 (1738)	13.8 (1170)	6.4 (4095)	7.3 (2069)	2.2 (3859)	1.7 (2675)	0.2 (1326)			9.7 (330)		1.9 (804)	
<i>Morganella morganii</i> ³	0 (153)	97.6 (572)		2.7 (297)	81.8 (324)	98.2 (225)	95.3 (577)	15.3 (366)	6.1 (539)	9.5 (514)	0 (220)						
<i>Proteus mirabilis</i>	0 (570)	12.4 (3969)		0.3 (1042)	2.5 (1118)	6.4 (1126)	2.6 (4060)	8.4 (1543)	1.1 (4239)	1.4 (1968)	0 (803)			97.0 (100)		0 (292)	
<i>Pseudomonas aeruginosa</i>	5.4 (2156)		3.6 (6260)						7.5 (8902)	6.4 (8881)	4.9 (3975)		3.2 (4205)		10.8 (530)	3.7 (3100)	
<i>Serratia</i> spp. ³	0.4 (282)	95.2 (1099)		10.9 (525)	93.1 (594)	97.8 (460)	86.6 (1120)	8.2 (833)	13.4 (968)	0.4 (1115)	0.3 (390)					1.4 (138)	

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	ampicillin	cefotaxime	clindamycin	co-amoxiclav	co-trimoxazole	erythromycin	fluoroquinolone	gentamicin	methicillin/oxacil	mupirocin	nitrofurantoin	penicillin	tetracycline	vancomycin
Coagulase-negative Staphylococci (blood isolates)			22.7 (488)		26.0 (1213)	40.9 (1650)	18.8 (621)	29.8 (1391)	54.0 (1668)			85.7 (1630)	12.1 (527)	0.1 (1389)
<i>Campylobacter</i> spp.						1.1 (367)	1.9 (367)							
<i>Enterococcus</i> spp.	3.2 (8391)							29.2 ⁴ (1000)			0.5 (6887)		67.5 (1333)	0.03 (3671)
<i>Haemophilus influenzae</i> (non-invasive)	23.4 (6407)			0.8 (5760)	19.2 (7868)								0.7 (4876)	
<i>Moraxella catarrhalis</i>	91.6 (1209)					3.2 (439)							0.7 (1106)	
<i>Neisseria gonorrhoeae</i>							8.1 (994)					5.1 (1426)	16.6 (658)	
<i>Staphylococcus aureus</i>			2.2 (12883)		2.2 (42028)	12.2 (60633)	9.3 (14771)	2.3 (16828)	7.5 (62782)	17.5 (14032)		87.2 (61221)	2.6 (32313)	
<i>Streptococcus pneumoniae</i> (non-invasive)		6.1 ⁵ (736)			43.7 (4361)	20.6 (5118)						15.7 ⁶ (2880)	18.9 (2761)	
<i>Streptococcus pyogenes</i>						1.1 (11807)						0 (10029)		

1 data supplied by Auckland City, Christchurch, Gisborne, Hawkes Bay, Middlemore, Nelson, North Shore, Rotorua, Southland, Taumarunui, Te Kuiti, Waikato, Wairau, Wanganui, Wellington, Whakatane and Whangarei Hospitals; and Auckland Diagnostic Medical, Auckland Southern Community, Christchurch Southern Community, Dunedin Southern Community, Hawkes Bay Southern Community, Medlab Bay of Plenty, Medlab Central, Medlab Gisborne, Medlab Hamilton, Medlab Hawkes Bay, Medlab Wellington, Nelson Diagnostic, Northland Pathology, Rotorua Diagnostic, Taranaki Medlab, Valley Diagnostic, Waikato Pathology and Wanganui Diagnostic laboratories.

2 data presented only if available for ≥ 100 isolates

3 ESCAPPM organisms with potential for inducible cephalosporinases and stably derepressed mutants producing high levels of cephalosporinases

4 high-level resistance

5 cefotaxime/ceftriaxone resistance (MIC ≥ 4.0 mg/L)

6 penicillin resistance (MIC ≥ 2.0 mg/L)

