

Antimicrobial susceptibility data from hospital and community laboratories, 2016¹

	Percent susceptible (number tested ²)																	
	amikacin	amoxicillin-clavulanic acid	ampicillin	cefazolin	cefepime	ceftazidime	ceftriaxone/cefotaxime	cefuroxime/cefamandole	cephalexin	co-trimoxazole	ertapenem	fluoroquinolone	gentamicin	meropenem	nitrofurantoin	piperacillin-tazobactam	tobramycin	trimethoprim
<i>Acinetobacter calcoaceticus-baumannii</i> complex	97.5 (161)					82.4 (159)				91.5 (271)		95.5 (267)	94.3 (261)	97.1 (240)		84.6 (130)	97.8 (139)	
<i>Enterobacter</i> species from bacteraemia	100 (116)					69.5 (151)				91.4 (187)		97.7 (172)	98.4 (189)	100 (142)				
<i>Escherichia coli</i> (non-ESBL ³) from bacteraemia	98.6 (1011)	73.7 ⁴ (1478)	48.9 (1932)	78.6 (459)	99.7 (1177)		98.6 (1415)	95.9 (1457)			100 (300)	93.5 (1650)	95.3 (1929)	100 (1361)			94.3 (699)	
<i>E. coli</i> (ESBL ³) from bacteraemia	95.0 (100)	38.7 ⁴ (119)					3.0 (135)				92.5 (120)	41.5 (142)	53.1 (143)	100 (131)				
<i>E. coli</i> (non-ESBL ³) urinary	98.5 (12329)	87.3 ⁴ (35212)	53.2 (36924)				98.9 (16001)	96.0 (12673)	97.4 (70354)			93.0 (65300)	95.2 (20314)		98.8 (78507)		95.1 (8831)	74.3 (86839)
<i>E. coli</i> (ESBL ³) urinary	94.9 (2915)	72.3 ⁴ (2674)					1.5 (3291)					37.4 (2917)	64.2 (3024)		95.4 (3303)		58.5 (479)	29.4 (3424)
<i>Klebsiella</i> species (non-ESBL ³) from bacteraemia	99.6 (266)	93.9 ⁴ (423)		72.7 (121)	99.7 (299)		99.4 (332)	95.9 (343)				96.3 (382)	99.1 (452)	99.7 (330)			99.3 (146)	
<i>Klebsiella</i> species (ESBL ³) from bacteraemia	80.8 (52)	16.9 ⁴ (59)					0.0 (59)				96.1 (51)	33.3 (60)	38.3 (60)	100 (59)				
<i>Pseudomonas aeruginosa</i> from bacteraemia	95.8 (120)				96.4 (137)	96.3 (214)						93.6 (219)	98.6 (209)	94.3 (176)		94.4 (196)	98.3 (120)	

	Percent susceptible (number tested ²)											
	ampicillin	clindamycin	co-trimoxazole	doxycycline	erythromycin	fluoroquinolone	fusidic acid	gentamicin	mupirocin	penicillin	tetracycline	vancomycin
<i>Enterococcus faecalis</i> from bacteraemia	99.6 (235)							78.8 ⁵ (184)				100 (211)
<i>Enterococcus faecium</i> from bacteraemia	23.1 (78)							55.1 ⁵ (69)				88.1 (67)
Methicillin-susceptible ⁶ <i>Staphylococcus aureus</i> from bacteraemia		94.9 (764)	98.7 (875)	98.2 (271)	94.2 (932)	97.8 (732)	89.2 (623)	99.2 (726)	97.6 (418)	20.4 (817)	97.6 (579)	
Methicillin-resistant ⁶ <i>S. aureus</i> from bacteraemia		87.3 (102)	100 (115)		80.0 (115)	89.3 (112)		98.1 (106)				
Methicillin-susceptible ⁶ <i>S. aureus</i> from skin and soft tissue infection		90.8 (52786)	98.7 (75514)	98.3 (5493)	89.2 (76713)	97.2 (26882)	80.8 (45827)	98.9 (14032)	93.8 (11796)	17.3 (32463)	97.9 (64207)	
Methicillin-resistant ⁶ <i>S. aureus</i> from skin and soft tissue infection		84.9 (8386)	98.7 (9692)	98.5 (585)	77.7 (9692)	87.1 (8133)	47.7 (8143)	96.2 (3070)	93.5 (5276)		97.5 (9006)	

- 1 Data supplied by Canterbury Health Laboratories; Greymouth Hospital laboratory; Hawkes Bay Hospital laboratory; Healthlab Kew; LabCare Pathology, New Plymouth; Laboratory Services, Rotorua; LabPlus; Labtests; Medlab Central; Medlab Nelson; Medlab, Whanganui; North Shore Hospital laboratory; Pathlab Bay of Plenty; Southern Community Laboratories, Wellington and Dunedin; Taranaki Medlab; Tlab, Gisborne; Waikato Hospital laboratory; and Whangarei Hospital laboratory.
- 2 Data presented only if ≥ 100 isolates tested for susceptibility to the antibiotic, except for extended-spectrum β -lactamase (ESBL)-producing *Klebsiella* species and *E. faecium* from bacteraemia for each of which there were < 100 isolates that had been tested for susceptibility to any antibiotic.
- 3 The *E. coli* and *Klebsiella* species data is presented in two subsets according to whether the isolates produced ESBL.
- 4 The amoxicillin-clavulanic acid susceptibility rates for bacteraemic isolates are based on the EUCAST breakpoints for infections other than uncomplicated UTIs (uUTIs), whereas the rates for urinary *E. coli* are based on the breakpoints for uUTIs. Some laboratories also applied the EUCAST breakpoints for infections other than uUTIs to urinary *E. coli* with resulting susceptibility rates of 78.5% for non-ESBL producing *E. coli* and 50.1% for ESBL-producing *E. coli*.
- 5 Susceptibility to high-level gentamicin.
- 6 The *S. aureus* data is presented in two subsets according to whether the isolates were methicillin susceptible or resistant.