

# Antimicrobial susceptibility data from hospital and community laboratories, 2021



Results presented as proportion susceptible [% (No. susceptible isolates/No. isolates tested)]

## Hospital Antibigram (all sites)

Organism	Site	Amoxicillin*	Amoxicillin clavulanic acid	Amoxicillin clavulanic acid: cystitis	Cefalexin	Cefepime	Ceftazidime	Ceftriaxone	Cefuroxime*
<i>Escherichia coli</i>	All	45% (3326/7388)	69% (8380/12117)	71% (22829/32259)	90% (21914/24237)			93% (19822/21225)	88% (15069/17051)
<i>Enterococcus spp.</i>	All	88% (2119/2405)			0% (0/1316)			0% (0/2707)	0% (0/1758)
<i>Haemophilus influenzae</i>	All	59% (715/1207)	74% (1128/1525)					96% (847/882)	
<i>Klebsiella spp.</i>	All	0% (0/2249)	78% (2227/2862)	41% (1228/2960)	80% (2520/3162)	9% (88/1032)		90% (3441/3844)	68% (2321/3425)
<i>Pseudomonas aeruginosa</i>	All	0% (0/2291)	0% (0/3055)		0% (0/2887)		90% (3191/3539)	0% (0/3055)	0% (0/3570)
<i>Staphylococcus aureus</i>	All								
Methicillin-resistant <i>S. aureus</i> (MRSA)	All	0% (0/1671)						0% (0/1385)	
<i>Staphylococcus saprophyticus</i>	All								
<i>Streptococcus (Group A)</i>	All								
<i>Streptococcus pneumoniae</i>	All	90% (373/415)						73% (369/507)	

Organism	Site	Ciprofloxacin*	Clindamycin	Co-trimoxazole	Doxycycline*	Erythromycin	Fusidic acid	Gentamicin	Meropenem
<i>Escherichia coli</i>	All	88% (19684/22493)		75% (12275/16412)				93% (19197/20582)	100% (20582/20582)
<i>Enterococcus spp.</i>	All			0% (0/1898)					
<i>Haemophilus influenzae</i>	All			74% (898/1207)	99% (1507/1525)				
<i>Klebsiella spp.</i>	All	90% (2995/3315)		86% (2782/3231)				95% (3550/3724)	100% (3515/3520)
<i>Pseudomonas aeruginosa</i>	All	87% (2630/3014)		0% (0/2857)				47% (1171/2499)	94% (3807/4054)
<i>Staphylococcus aureus</i>	All		90% (17527/19417)	98% (21605/21971)	98% (22999/23525)	89% (19388/21827)	89% (13152/14849)		
MRSA	All		87% (1875/2162)	98% (2379/2421)	96% (2574/2675)	79% (1911/2421)	68% (1084/1591)		
<i>Staphylococcus saprophyticus</i>	All			98% (770/787)					
<i>Streptococcus (Group A)</i>	All		32% (178/552)			92% (510/552)			
<i>Streptococcus pneumoniae</i>	All			73% (465/639)	88% (560/639)	87% (559/639)			

Organism	Site	Meropenem	Methicillin*	Nitrofurantoin	Penicillin	Piperacillin-tazobactam	Trimethoprim	Vancomycin
<i>Escherichia coli</i>	All	100% (20582/20582)		99% (28612/28930)		95% (17203/18021)	75% (21740/28930)	
<i>Enterococcus spp.</i>	All		0% (0/1973)	97% (3005/3111)				100% (2896/2899)
<i>Haemophilus influenzae</i>	All							
<i>Klebsiella spp.</i>	All	100% (3515/3520)		70% (1482/2122)		86% (3039/3520)	82% (3323/4053)	
<i>Pseudomonas aeruginosa</i>	All	94% (3807/4054)		0% (0/1806)		94% (3811/4054)	0% (0/1806)	
<i>Staphylococcus aureus</i>	All		89% (19743/22251)		12% (1594/13648)			100% (17697/17697)
MRSA	All		0% (0/2142)		0% (0/2142)			100% (1902/1902)
<i>Staphylococcus saprophyticus</i>	All		93% (735/787)	100% (841/841)			97% (812/841)	
<i>Streptococcus (Group A)</i>	All				100% (552/552)			
<i>Streptococcus pneumoniae</i>	All				66% (434/658)			100% (342/342)

## Hospital Antibigram (sterile sites only)

Organism	Site	Amoxicillin clavulanic acid	Ceftriaxone	Cefuroxime*	Ciprofloxacin*	Clindamycin	Co-trimoxazole	Doxycycline*	Erythromycin
<i>Escherichia coli</i>	Sterile	70% (4309/6151)	94% (5763/6151)	92% (5640/6151)	91% (4838/5328)				
<i>Enterococcus spp.</i>	Sterile								
<i>Staphylococcus aureus</i>	Sterile					90% (3766/4163)	99% (6505/6573)	98% (6450/6573)	89% (5860/6573)
<i>Streptococcus pneumoniae</i>	Sterile		100% (222/223)				75% (267/355)	89% (317/355)	89% (317/355)

Organism	Site	Gentamicin	Meropenem	Methicillin*	Nitrofurantoin	Penicillin	Piperacillin-tazobactam	Vancomycin
<i>Escherichia coli</i>	Sterile	94% (5203/5508)	100% (5508/5508)				98% (5372/5508)	
<i>Enterococcus spp.</i>	Sterile							100% (743/746)
<i>Staphylococcus aureus</i>	Sterile			92% (6294/6853)				100% (4141/4141)
<i>Streptococcus pneumoniae</i>	Sterile					93% (348/374)		100% (248/248)

## Community Antibigram (all sites)

Organism	Site	Amoxicillin clavulanic acid	Amoxicillin clavulanic acid: cystitis	Amoxicillin*	Cephalexin	Ciprofloxacin*	Clindamycin	Co-trimoxazole	Doxycycline*
<i>Escherichia coli</i>	All		79% (35461/44821)	55% (35378/64147)	92% (59255/64147)	89% (56937/64131)			
<i>Haemophilus influenzae</i>	All	83% (1191/1431)		66% (951/1431)				72% (1024/1431)	98% (1406/1431)
<i>Klebsiella spp.</i>	All		89% (2807/3144)	0% (0/2706)	87% (2359/2706)				
<i>Pseudomonas aeruginosa</i>	All			0% (0/2550)	0% (0/2550)	87% (2566/2938)			
<i>Staphylococcus aureus</i>	All				98% (23195/23713)		90% (12338/13758)	99% (46269/46736)	97% (45447/46736)
MRSA	All			0% (0/4680)	0% (0/1846)		85% (729/855)	99% (4338/4390)	96% (4501/4680)
<i>Streptococcus pneumoniae</i>	All			89% (529/596)				76% (466/617)	78% (518/668)

Organism	Site	Erythromycin	Flucloxacillin	Fusidic acid	Nitrofurantoin	Penicillin	Trimethoprim
<i>Escherichia coli</i>	All				99% (63506/64147)		75% (48403/64147)
<i>Haemophilus influenzae</i>	All						
<i>Klebsiella spp.</i>	All						78% (2108/2706)
<i>Pseudomonas aeruginosa</i>	All				0% (0/2079)		
<i>Staphylococcus aureus</i>	All	89% (41791/46736)	90% (41917/46736)	94% (29226/31141)			
MRSA	All	80% (3737/4680)	0% (0/4680)	65% (2316/3572)		0% (0/4680)	
<i>Streptococcus pneumoniae</i>	All	81% (497/617)					

## Notes

- Amoxicillin\* includes susceptibility for amoxicillin and/or ampicillin
- Cefuroxime\* includes susceptibility for cefuroxime and/or cefuroxime IV
- Ciprofloxacin\* includes susceptibility for ciprofloxacin and/or fluoroquinolone (if the sample was gram-negative and not from Urine)
- Doxycycline\* includes susceptibility for doxycycline and/or tetracycline
- Methicillin\* includes susceptibility for methicillin and/or flucloxacillin
- Mupirocin\* includes susceptibility for mupirocin and/or mupirocin (high-level)

Susceptibility data presented only when isolates were provided by five or more laboratories, and if ≥30 isolates tested for susceptibility to the antibiotic.

Data supplied by:

Canterbury Health Laboratories; LabPlus; Labtests; Medlab Central; Medlab, Nelson Hospital; Northland Pathology; Pathlab; Southern Community Laboratories (SCL), Canterbury; SCL Hawke's Bay; SCL, Otago and Southland; SCL, Wairarapa and Wellington. Local antibiograms available here: <https://www.nzmn.org.nz/antibiograms/2018-antibiograms-2/>