

**Public and Private Acute Group A
Critical Care benchmarking report
January – June 2023**

Antibacterial utilisation rates provided in this report are calculated using the number of defined daily doses (DDDs) of the antibacterial class consumed each month per 1,000 occupied bed days.

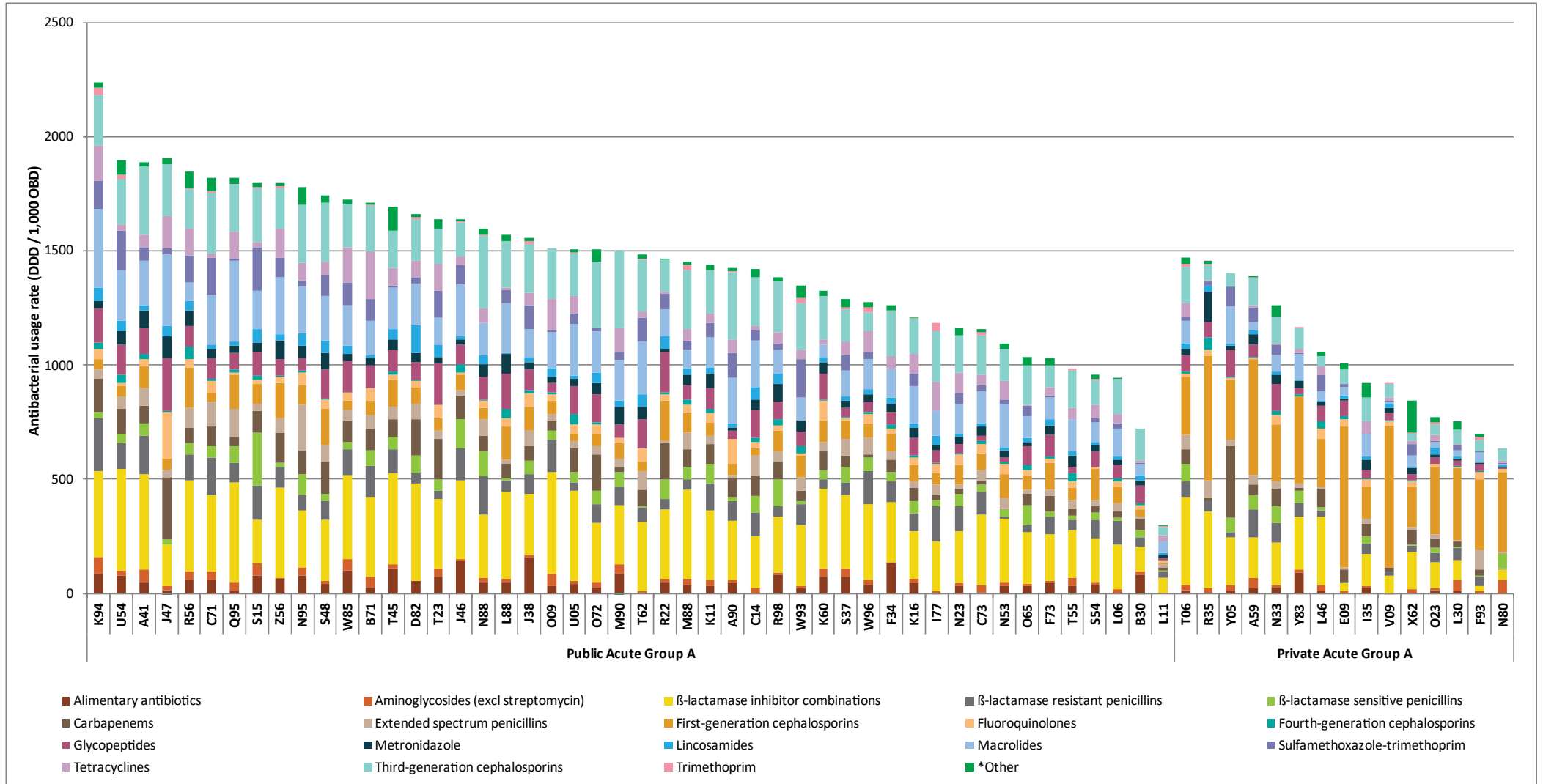
Contributing hospitals are assigned to Australian Institute for Health and Welfare (AIHW) defined peer groups.¹ Contributing hospitals can find their de-identifying code via the NAUSP Portal 'Maintain My Hospital' drop-down menu.

DDD values for each antimicrobial are assigned by the World Health Organization based on the "assumed average maintenance dose per day for the main indication in adults". DDDs are reviewed annually by the WHO as dosing recommendations change over time. For more information refer to: https://www.whooc.no/atc_ddd_methodology/purpose_of_the_atc_ddd_system/

The chart below presents aggregate antibacterial usage data in the Critical Care for the respective contributing hospitals over the six-month period from 1 January 2023 to 30 June 2023.

¹ AIHW. *Hospital resources 2017-18: Australian hospital statistics*. Available from <https://www.aihw.gov.au/reports/hospitals/hospital-resources-2017-18-ahs/data>

Chart 1: Critical Care antibacterial usage rates (DDD/1,000 OBD) in NAUSP Public and Private Acute Group A contributor hospitals, Jan-Jun 2023



Alimentary antibiotics = rifaximin, fidaxomicin, paromomycin. Other = amphenicols, antimycotics, combinations for eradication of *Helicobacter pylori*, monobactams, nitrofurans, linezolid, daptomycin, other cephalosporins, polymyxins, rifamycins, second-generation cephalosporins, steroids, streptogramins and streptomycin.

This report includes data from 63 Public and Private Acute Group A hospitals:

Albury Wodonga - Albury	Maitland Hospital
Alice Springs Hospital	Manning Base Hospital
Armadale Kalamunda Group	Maroondah Hospital
Ashford Hospital	Mater Hospital Brisbane
Ballarat Base Hospital	Mater Private Hospital Brisbane
Bankstown Hospital	Newcastle Mater
Bathurst Base Hospital	North West Regional Hospital
Bendigo Health	Northern Beaches Hospital
Box Hill Hospital	Orange Health Service
Bundaberg Hospital	Port Macquarie Base Hospital
Cabrini Hospital Malvern	Queen Elizabeth 2 Jubilee Hospital
Calvary Adelaide Private Hospital	Queen Elizabeth Hospital
Campbelltown Hospital	Redcliffe Hospital
Casey Hospital	Rockingham Hospital
Central Gippsland Health	Shoalhaven Hospital
Chris O'Brien Lifehouse	St Andrew's War Memorial Hospital
Coffs Harbour Hospital	St John Of God Midland
Dandenong Hospital	St John Of God Murdoch
Dubbo Base Hospital	St Vincent's Private Hospital Northside
Frankston Hospital	Sutherland Hospital
Gold Coast Private Hospital	Sydney Adventist Hospital
Gosford Hospital	Tamworth Hospital
Greenslopes Hospital	The Northern Hospital
Griffith Base Hospital	Toowoomba Hospital
Hervey Bay Hospital	Wagga Wagga Base Hospital
Holmesglen Private Hospital	Warrnambool Base Hospital
Hornsby Ku-Ring-Gai Hospital	Werribee Mercy Hospital
Ipswich Hospital	Wesley Hospital
John Flynn Private Hospital	Western Health Footscray
Joondalup Health Campus	Western Health Sunshine
Launceston General Hospital	Wyong Hospital
Lyell McEwin Hospital	

Disclaimer: Data presented in this report were correct at the time of publication. As additional hospitals join NAUSP, retrospective data are included. Data may change when quality assurance processes identify the need for data updates.

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ANTIBACTERIAL CLASSES				
Alimentary antibiotics	fidaxomicin	Lincosamides	clindamycin	
	paromomycin		lincomycin	
Aminoglycosides	rifaximin	Macrolides	azithromycin	
	amikacin		clarithromycin	
	gentamycin		erythromycin	
	neomycin		roxithromycin	
β-lactamase inhibitor combinations	tobramycin	Monobactams	aztreonam	
	amoxicillin - clavulanate		Nitrofurans derivatives	nitrofurantoin
β-lactamase resistant penicillins	piperacillin - tazobactam	Polymyxins	colistin	
	dicloxacillin		polymyxin B	
β-lactamase sensitive penicillins	flucloxacillin	Second-generation cephalosporins	cefaclor	
	benzathine benzylpenicillin		cefamandole	
	benzylpenicillin		cefotetan	
	phenoxymethylpenicillin		cefoxitin	
Carbapenems	procaine benzylpenicillin	Steroid antibacterials	cefuroxime	
	doripenem		fusidic acid	
	ertapenem		Streptogramins	pristinamycin
	imipenem - cilastatin		Streptomycins	streptomycin
	meropenem		Sulfonamide-trimethoprim combinations	sulfamethoxazole - trimethoprim
Extended-spectrum penicillins	meropenem - vaborbactam	Tetracyclines	doxycycline	
	amoxicillin		minocycline	
	ampicillin		tetracycline	
	pivmecillinam		tigecycline	
First-generation cephalosporins	temocillin	Third-generation cephalosporins	cefixime	
	cefalexin		cefotaxime	
	cefalotin		ceftazidime	
Fluoroquinolones	cefazolin	Trimethoprim	ceftazidime - avibactam	
	ciprofloxacin		ceftriaxone	
	levofloxacin		trimethoprim	
	moxifloxacin		Other (including other cephalosporins and penems)	ceftaroline fosamil
norfloxacin	ceftolozane - tazobactam			
Fourth-generation cephalosporins	cefepime	daptomycin		
	cefpirome	faropenem		
	Glycopeptides	dalbavancin	fosfomicin	
		oritavancin	linezolid	
teicoplanin		rifampicin		
vancomycin		tedizolid		
Imidazole derivatives	metronidazole	Intermediate-acting sulfonamides		
Intermediate-acting sulfonamides	sulfadiazine			