

**New South Wales**  
**Statewide benchmarking report – Emergency Department**  
**July 2024 – December 2024**

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 Emergency Department presentations.

Contributing hospitals are assigned according to Australian Institute for health and Welfare (AIHW) defined peer groups.<sup>1</sup> Deidentified contributor codes can be located via the ‘Maintain My Hospital’ drop-down menu in the NAUSP Portal.

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.whocc.no/atc\\_ddd\\_methodology/purpose\\_of\\_the\\_atc\\_ddd\\_system/](https://www.whocc.no/atc_ddd_methodology/purpose_of_the_atc_ddd_system/)

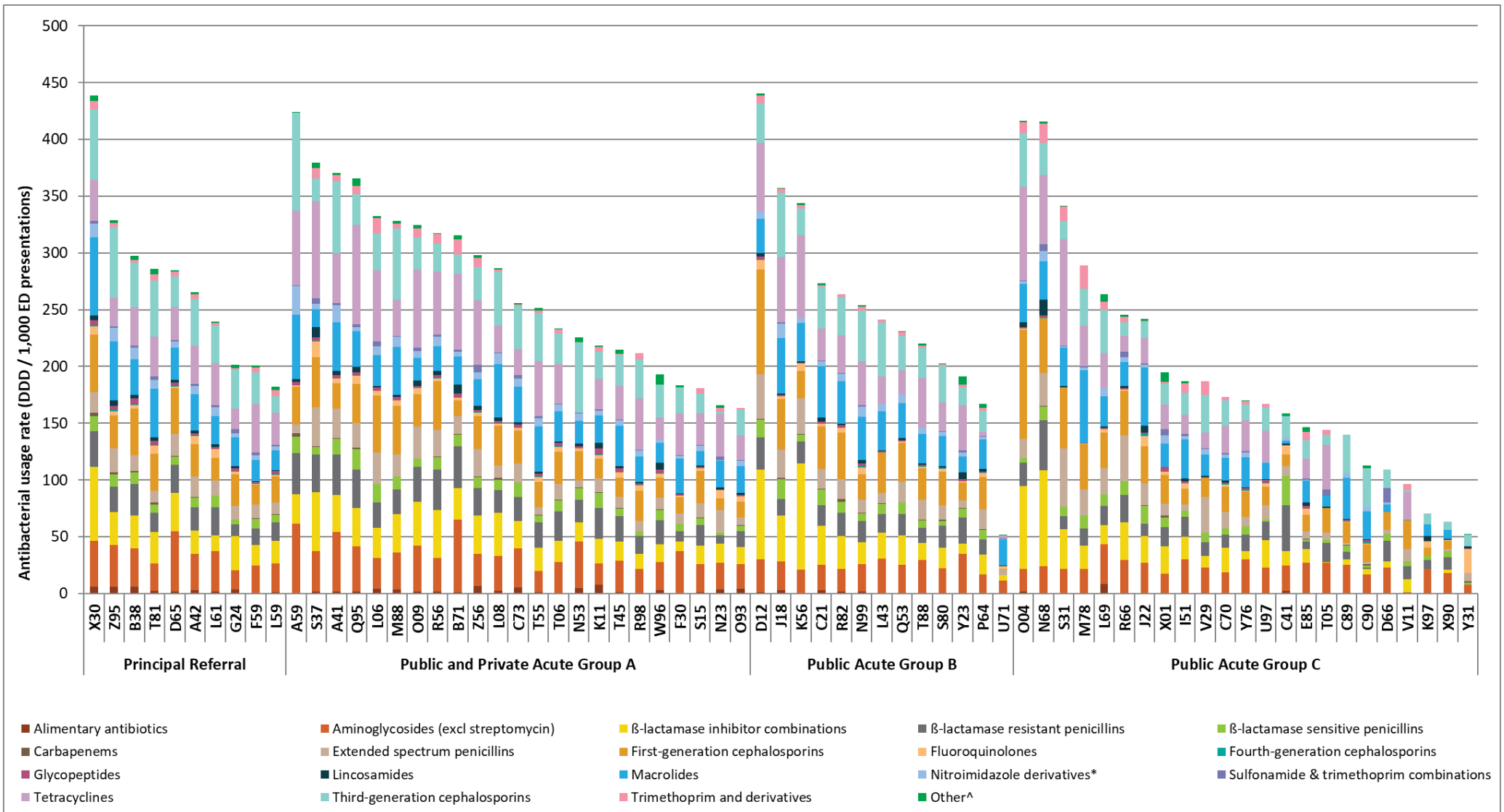
The chart below presents aggregated antibacterial usage data in the Emergency Department for the respective contributing hospitals over the six-month period from 1 July 2024 to 31 December 2024.

[Note: Not all NAUSP contributors are able to provide stratified data for the Emergency Department].

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<sup>1</sup> 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: Emergency Department antibacterial usage rates (DDD/1000 emergency presentations) in NAUSP contributor hospitals, by peer group, New South Wales, July-December 2024



Alimentary antibiotics = colistin (oral), fidaxomicin, neomycin (oral), nystatin (oral), paromomycin, rifaximin, vancomycin (oral).

\*Nitroimidazole derivatives = metronidazole, tinidazole

^Other = amphenicols, antimycotic antibiotics, 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 the following 69 hospitals in NSW:**

Armidale Hospital	Maitland Hospital
Auburn Hospital	Manning Base Hospital
Bankstown Hospital	Milton-Ulladulla Hospital
Batemans Bay District Hospital	Mona Vale Hospital
Bathurst Base Hospital	Moree Hospital
Bellinger River District Hospital	Moruya Hospital
Belmont Hospital	Mt Druitt Hospital
Blacktown Hospital	Mudgee District Hospital
Bowral Hospital	Muswellbrook Hospital
Broken Hill Base Hospital	Narrabri Hospital
Campbelltown Hospital	Newcastle Mater
Canterbury Hospital	Northern Beaches Hospital
Cessnock District Hospital	Orange Health Service
Coffs Harbour Hospital	Parkes Hospital
Concord Hospital	Port Macquarie Base Hospital
Cooma Hospital	Prince Of Wales Hospital
Cowra Health Service	Queanbeyan Hospital
Dubbo Base Hospital	Royal North Shore Hospital
Fairfield Hospital	Royal Prince Alfred Hospital
Forbes District Hospital	Ryde Hospital
Glen Innes District Hospital	Scott Memorial Hospital
Gloucester Soldiers' Memorial Hospital	Shellharbour Hospital
Gosford Hospital	Shoalhaven Hospital
Goulburn Base Hospital	Singleton District Hospital
Grafton Base Hospital	South East Regional Hospital
Griffith Base Hospital	St George Hospital
Gunnedah Hospital	St Vincent's Hospital Sydney
Hornsby Ku-Ring-Gai Hospital	Sutherland Hospital
Inverell District Hospital	Sydney Adventist Hospital
John Hunter Hospital	Tamworth Hospital
Kempsey District Hospital	Wagga Wagga Base Hospital
Kurri Kurri Hospital	Westmead Hospital
Lithgow Hospital	Wollongong Hospital
Liverpool Hospital	Wyong Hospital
Macksville District 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			
<b>Alimentary antibiotics</b>	colistin (oral)	<b>Glycopeptides</b>	dalbavancin
	fidaxomicin		oritavancin
	neomycin (oral)		teicoplanin
	nystatin (oral)		vancomycin
	paromomycin	<b>Imidazole derivatives</b>	metronidazole (parenteral)
	rifaximin	<b>Intermediate acting sulfonamides</b>	sulfadiazine
	vancomycin (oral)	<b>Lincosamides</b>	clindamycin
	lincomycin		
<b>Aminoglycosides (excl streptomycin)</b>	amikacin	<b>Macrolides</b>	azithromycin
	gentamicin		clarithromycin
	neomycin		erythromycin
	tobramycin		roxithromycin
<b>Beta lactamase inhibitor combinations</b>	amoxicillin-clavulanate	<b>Nitroimidazole derivatives</b>	metronidazole (oral, rectal)
	ampicillin-sulbactam		tinidazole (oral, rectal)
	piperacillin-tazobactam	<b>Sulfonamide &amp; trimethoprim combinations</b>	trimethoprim-sulfamethoxazole
	ticarcillin-clavulanate		
<b>Beta lactamase resistant penicillins</b>	dicloxacillin	<b>Tetracyclines</b>	doxycycline
	flucloxacillin		minocycline
<b>Beta lactamase sensitive penicillins</b>	benzathine benzylpenicillin		tetracycline
	benzylpenicillin		tigecycline
	phenoxymethylpenicillin	<b>Third generation cephalosporins</b>	cefotaxime
	procaine benzylpenicillin		ceftazidime
	ceftazidime-tazobactam		
<b>Carbapenems</b>	doripenem	<b>Trimethoprim and derivatives</b>	ceftriaxone
	ertapenem		trimethoprim
	imipenem-cilastatin	<b>Other antibacterials &amp; combinations</b>	daptomycin
	meropenem		fosfomycin
	meropenem-vaborbactam		linezolid
	methenamine hippurate		
	tedizolid		
	esomeprazole, amoxicillin and clarithromycin		
	chloramphenicol		
	streptomycin		
	colistin		
	polymyxin B		
	sodium fusidate		
<b>Extended spectrum penicillins</b>	amoxicillin	<b>Fluoroquinolones</b>	cycloserine
	ampicillin		rifabutin
	piperacillin		rifampicin
	pivmecillinam		rifapentine
	temocillin		
<b>First generation cephalosporins</b>	cefalexin	<b>Fourth generation cephalosporins</b>	cefiderocol
	cefazolin		ceftaroline
<b>Other antibacterials &amp; combinations</b>	pristinamycin		
	quinupristin/dalfopristin		

aztreonam	<b>Other cephalosporins and penems</b>	ceftolozane-avibactam
nitrofurantoin		faropenem
cefaclor		
cefoxitin		
cefuroxime		