Antimicrobial utilisation rates provided in this report are calculated using the number of defined daily doses (DDD) of the antimicrobial agent or class consumed each month per 1,000 occupied bed days using average data for contributing hospitals in the ACT and NSW peer group.

Antimicrobial classes reported on pages 2 to 3 are:
- 3rd/4th generation cephalosporins (ceftriaxone, cefotaxime, ceftazidime, cefepime);
- glycopeptides (vancomycin, teicoplanin);
- carbapenems (meropenem, imipenem/cilastatin, ertapenem);
- fluoroquinolones (ciprofloxacin, moxifloxacin, norfloxacin);
- aminoglycosides (gentamicin, tobramycin, amikacin); and
- anti-pseudomonal penicillins plus β-lactamase inhibitor (piperacillin/tazobactam).

Aggregated rates for this reporting period include data from 64 hospitals and 36 ICUs. Some hospitals were unable to submit data for this reporting period and comparator rates may vary from previous reports.

Enquiries should be directed to the Senior Pharmacist, NAUSP (email: healthantibio@sa.gov.au)

1. TOTAL HOSPITAL ANTIMICROBIAL USE (INCLUDING ALL CLASSES)
2. TOTAL INTENSIVE CARE UNIT ANTIMICROBIAL USE (INCLUDING ALL CLASSES)

Chart2: total ICU antimicrobial use by all contributors (all classes)

3. TOTAL HOSPITAL USE BY ANTIMICROBIAL CLASS (SELECTED CLASSES)

4. ANTIMICROBIAL USAGE RATES FOR INDIVIDUAL AGENTS

Aggregated state-wide antimicrobial usage rates for individual agents within reported classes are shown in Charts 4 to 9 below.

Chart 4: 3rd/4th generation cephalosporins

Chart 5: Glycopeptides (vancomycin, teicoplanin)

Chart 6: Carbapenems

Chart 7: Fluoroquinolones

Chart 8: Aminoglycosides

Chart 9: Parenteral penicillin/β-lactamase inhibitor combinations
This report includes data from the following hospitals:

**NSW:** ARMIDALE HOSPITAL, AUBURN HOSPITAL, BATEMANS BAY DISTRICT HOSPITAL, BATHURST BASE HOSPITAL, BELMONT HOSPITAL, BLACKTOWN HOSPITAL, BOWRAL HOSPITAL, CAMPBELLTOWN HOSPITAL, CANTERBURY HOSPITAL, CESSNOCK DISTRICT HOSPITAL, COFFS HARBOUR HOSPITAL, CONCORD HOSPITAL, COOMA HOSPITAL, DUBBO BASE HOSPITAL, FAIRFIELD HOSPITAL, FORBES DISTRICT HOSPITAL, GOSFORD HOSPITAL, GOSFORD PRIVATE HOSPITAL, GOULBURN BASE HOSPITAL, GRAFTON BASE HOSPITAL, GRIFFITH BASE HOSPITAL, HORNESBY KU-RING-GAI HOSPITAL, JOHN HUNTER HOSPITAL, KAREENA PRIVATE HOSPITAL, KEMPSEY DISTRICT HOSPITAL, LISMORE BASE HOSPITAL, LIVERPOOL HOSPITAL, MACLEAN DISTRICT HOSPITAL, MAITLAND HOSPITAL, MANNING BASE HOSPITAL, MATER HOSPITAL NORTH SYDNEY, MORUYA HOSPITAL, MUDGEE DISTRICT HOSPITAL, MUSWELLBROOK HOSPITAL, NEPEAN HOSPITAL, NEWCASTLE MATER, ORANGE HEALTH SERVICE, PARKES HOSPITAL, PORT MACQUARIE BASE HOSPITAL, PRINCE OF WALES HOSPITAL, QUEANBEYAN HOSPITAL, ROYAL NORTH SHORE HOSPITAL, ROYAL PRINCE ALFRED HOSPITAL, RYDE HOSPITAL, SCOTT MEMORIAL HOSPITAL, SHELLHARBOUR HOSPITAL, SHOALHAVEN HOSPITAL, SINGLETON DISTRICT HOSPITAL, SOUTH EAST REGIONAL HOSPITAL, ST GEORGE HOSPITAL, ST VINCENT'S HOSPITAL SYDNEY, ST VINCENT'S PRIVATE HOSPITAL SYDNEY, SUTHERLAND HOSPITAL, SYDNEY ADVENTIST HOSPITAL, THE TWEED HOSPITAL, WAGGA WAGGA BASE HOSPITAL, WESTMEAD HOSPITAL, WESTMEAD PRIVATE HOSPITAL, WOLLONGONG HOSPITAL, WYONG HOSPITAL, YOUNG HEALTH SERVICE

**ACT:** CALVARY PUBLIC HOSPITAL BRUCE, CANBERRA HOSPITAL