

Participating in the National Antimicrobial Utilisation Surveillance Program (NAUSP):

The rationale & the benefits
for public and private hospitals



Welcome to NAUSP

- The National Antimicrobial Utilisation Surveillance Program (NAUSP) is a partner program in the AURA project.
- NAUSP uses volume-based method of surveillance of the usage of antimicrobials in Australian hospitals.
 - Measured as a rate: DDDs per 1000 bed days
 - Measures use in adult acute inpatient care
- Over 200 hospitals from all states & territories contribute to NAUSP.
- The data is used to follow trends in use and benchmarking between hospitals, states or countries.



Antimicrobial stewardship

- Antimicrobial use is a key driver of resistance.
- AMS aims to decrease the risk of resistance emerging and reduce the risk of multi-drug resistant (MDR) infections
- MDR infections lead to:
 - ↑ morbidity / ↑ mortality
 - Increased costs involved, longer length of stay, ↑ use of resources.
 - Greater demands on clinical workforce – e.g. infection control requirements.

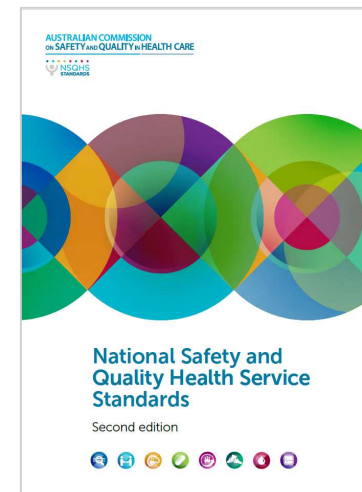
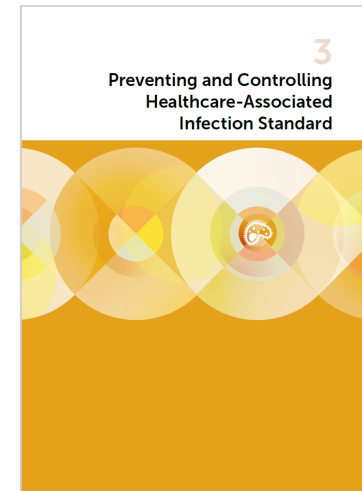
Why participate in NAUSP?

- Surveillance of antimicrobial usage **underpins antimicrobial stewardship (AMS)**
- **Allows timely information on usage trends** to identify overprescribing or unexpected changes in prescribing in your hospital.
- NAUSP is a tool **to evaluate effectiveness of AMS** interventions in your hospital.
- **Reduces costs** within your hospital associated with MDR infections
- **Participation in NAUSP is free**
- **NAUSP complements other AMS strategies.**



Why participate in NAUSP?

- To comply with National Safety & Quality Health Service (NSQHS) Standards
- Standard 3.15: *“The health service organisation has an antimicrobial stewardship program”*
- Standard 3.16:
 - Review antimicrobial prescribing & use
 - Evaluation, identify areas for improvement, take action to improve prescribing
 - Report to clinicians & managers on compliance with AMS policies



What does contributing to NAUSP involve?

- Data is submitted via an online portal
- Human resources:
 - Initial staff training:
 - User training guide & videos on the web + FAQs provided.
 - iPharmacy guide
 - Mentors available to provide support
 - NAUSP help
 - On-going time allocation:
 - Contributors to NAUSP spend on average 0.5-1 hour per month uploading data to the NAUSP portal
- Ongoing costs to your hospital are negligible
- **NAUSP participation is free**



Benefits

- Extract rate calculations for your hospital for antimicrobials of interest
- Download standard reports at any time
- Benchmark usage against other similar hospitals
- **Comply with national standards for accreditation**



Data security

- The NAUSP database meets government data security requirements
- No patient or doctor-specific data
- Only de-identified hospital-level data are published
- Only de-identified data are provided to the Commission



Conclusion

Surveillance of antimicrobial use underpins AMS

- NAUSP will enable you to identify trends in prescribing
 - Provides you with tools for evaluating AMS interventions
 - Assists your hospitals in meeting NSQHS standards required for accreditation
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- AMS programs
 - Decrease the risk of antimicrobial resistance
 - Improve patient care at your hospital
 - Decrease costs associated with resistant infections

