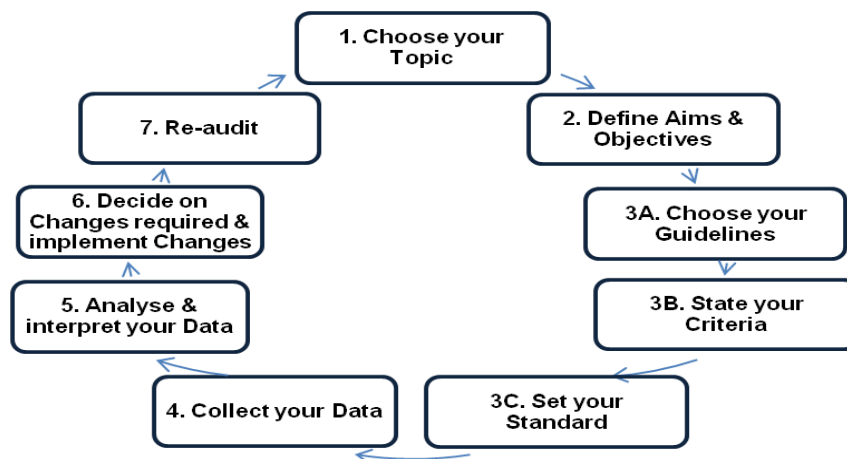




Uncomplicated UTI in Adults Sample Audit



ICGP PROFESSIONAL COMPETENCE AUDIT SUB-COMMITTEE

AUTHOR

Dr. Claire Collins

Purpose of ICGP sample audits on specific topics

The purpose of the ICGP sample audit for each topic area is to provide practitioners with audit topic proposals and related tools in order to aid them in carrying out a clinical audit in this topic area. For each topic, a specific guideline is chosen which identifies best practice for the relevant topic. Following this, examples of the elements of care or activity that could be measured are provided – these are referred to as “criteria”. Finally, examples of the type of data that is required in order to audit the sample criteria are provided. A separate document, the ICGP Audit Toolkit, provides detailed generic instructions on how to carry out and report your audit.

Sample Audit Topic: Adult Uncomplicated (ie no fever or flank pain) Urinary Tract Infection (UTI)

Evidence: SARI GUIDELINES FOR ANTIMICROBIAL PRESCRIBING IN PRIMARY CARE IN IRELAND

<http://www.hpsc.ie/hpsc/A-Z/MicrobiologyAntimicrobialResistance/Antibiotics/GuidelinesfortheprescribingofantibioticsinIreland/>

Professional Competence Domains: Clinical Skills
Management
Patient Safety and Quality of Care

Disclaimer

In all instances where ‘your patients’ are referred to, this can be taken to mean the patients you see. Where ‘your practice’ is mentioned, this refers to the work you do, not necessarily that you need to be based in one particular practice.”

Sample Criteria

1. All antibiotic prescribing should be accompanied by a check for known past history of hypersensitivity and this is recorded in patient notes
2. All antibiotic prescribing should be accompanied by a check for potential drug interactions and this is recorded in patient notes
3. Antibiotics should be used which are in line with the guidelines or microbiology laboratory recommendations for first line use, unless clinically contraindicated. In the case of UTI: For first presentations, low

risk of resistant organisms in uncomplicated UTI consider narrow-spectrum antibiotics that concentrate in the bladder such as trimethoprim or nitrofurantoin in the first instance		
4. All antibiotic prescribing should use the most effective dose of treatment for the identified condition, in line with the guidelines. In the case of UTI:		
trimethoprim	200 mg BD	
OR		
nitrofurantoin	50-100 mg QDS	
5. All antibiotic prescribing should use the most effective duration of treatment for the identified condition, in line with the guidelines. In the case of UTI:		
Trimethoprim OR	}	3 days in women
Nitrofurantoin		7 days in men

Choose the criteria from the above on which to conduct your audit and then set your standard (sometimes known as your target). This is your desired level of performance and is usually stated as a percentage. Beware of setting standards of 100%; standards should be realistic for your practice (perfection may not be possible).

There is no minimum or maximum number of patients stipulated, however your sample should include current/recent patients. In general if you have a very small number of patients with the condition being considered, it is recommended that you examine a greater number of criteria in these patients. By contrast in an audit of a very large number of patients it may only be necessary to examine one criterion.

The aim of a Data Collection tool is to provide examples of the types of data that are required in order to audit each sample criteria.

Data Collection Tool

Criteria 1:

- Number of cases of UTI included in this audit
- Number of the above cases for whom you checked and recorded hypersensitivity status when antibiotic being prescribed

Criteria 2:

- Number of cases of UTI included in this audit
- Number of the above cases for whom you checked for drug interactions when antibiotic being prescribed

Criteria 3

- Number of cases of UTI included in this audit
- Number of the above which are first presentations
- Number of first presentations who had an appropriate antibiotic prescribed

Criteria 4

- Number of cases of UTI included in this audit
- Number of the above which are first presentations
- Number of first presentations who had an appropriate antibiotic prescribed at the correct dose

Criteria 5

- Number of cases of UTI included in this audit
- Number of the above which are first presentations
- Number of first presentations who had an appropriate antibiotic prescribed at the correct duration

The next steps are to:

- Analyse and interpret your data via comparison with your target
- Decide on what changes need to be made and to implement these changes
- Re-audit your (individual) practice

A detailed explanation of all of these steps can be found in the ICGP Audit Toolkit, which is available on the ICGP Website at: <http://www.icgp.ie/audit>