PATIENT SAFETY EDUCATION SCENARIO

Antimicrobial Stewardship

Improving patient safety through promoting effective contribution to antimicrobial stewardship by registered nurses and midwives in acute and primary care settings
THE OBJECTIVES OF THE WORKBOOK ARE:

- To support nurses and midwives learning around antimicrobial stewardship and optimise the care of patients with infections
- To allow learners to assess their current level of knowledge and identify potential development needs in each topic area
- To enable registered healthcare practitioners to confidently, competently and effectively promote and practice antimicrobial stewardship as part of the multi-professional team
- To raise awareness of national and local policy and guidance documents which support antimicrobial resistance awareness and antimicrobial stewardship practice.

THE WORKBOOK TARGETED AUDIENCE IS:

Registered healthcare practitioners involved in the regular care of patients or residents with infections including:

- All grades of registered nurses and midwives from hospital clinical areas including Infection Prevention and Control staff
- Community Hospital Registered Nurses
- Care home Registered Nurses
- Clinical Educators
- Non-medical Prescribers
- Advanced Nurse Practitioners
- Senior Student Nurses undertaking undergraduate programmes for nursing and midwifery
- Other health and care staff who support the care of patients or residents with infections and/or provide advice to the general public, patients and carers.

The partners in the workbook delivery are the local health boards and care homes who will be responsible for the implementation and governance arrangements in their own area.
OVERVIEW OF THE RESOURCE

Using this learning resource registered healthcare practitioners are provided with the necessary introduction to antimicrobial stewardship. Staff will recognise and appreciate the need for prudent antimicrobial prescribing and good stewardship practice.

The resource will:

- Provide nursing and midwifery staff with increased knowledge of antimicrobial stewardship and an understanding of the concern about antimicrobial resistance
- Provide nursing and midwifery staff with examples of best practice elements of stewardship relevant to their profession
- Support confidence in daily clinical practice in antimicrobial stewardship
- Promote a behavioural change in antimicrobial stewardship practice
- Provide opportunities to discuss and observe antimicrobial stewardship behavioural change in clinical practice
- Support antimicrobial resistance reduction by linking learning and clinical practice
- Support public and patient education and involvement in antibiotic use and compliance
- Demonstrate the importance of linking microbiology results with antibiotic prescriptions to ensure appropriate antibiotic choice
- Promote safe and timely IV to oral switch (IVOST) for antimicrobial therapy and removal of indwelling devices
- Provide opportunities to link with improvement work and local performance indicators
- Support alignment with local documentation and resources available in clinical environment.

WORKBOOK STRUCTURE AND CONTENT

There are 5 sections to the workbook:
1. Introduction to antimicrobial stewardship
2. Antimicrobial stewardship in practice
3. Bacteria, resistance and antibiotics
4. Diagnosis and assessment of infection
5. Considerations for hospital practice

The workbook is designed to be self-directed and requires no online registration. The workbook can be downloaded and saved to your computer or can be printed. The learner should allow a minimum of 4 hours to complete the entire workbook. However, this can be undertaken in bite sized learning blocks with each of the work-based activities ranging from 5 to 30 minutes to complete.

THE WORKBOOK CONTENT IS A MIXTURE OF:

- Videos to watch and reflect on key messages and actions
- Self directed text reading with key points to remember in each section
- Work-based learning activities
- Useful resource links and websites for further learning.

THE LEARNER IS ASSESSED IN THE FOLLOWING WAYS:

- Completion of all the relevant activities throughout the workbook which allows key learning with action points to be achieved in antimicrobial stewardship practice and antimicrobial resistance awareness
- Demonstration of workbook completion to mentor/supervisor/line manager who can then sign off the workbook as complete.
FEEDBACK FROM STAKEHOLDERS

During the pilot implementation phase we received the following feedback from learners:

“I wouldn’t be as apprehensive as an RGN to undertake this workbook as with a bit of additional reading it should be straightforward to complete and offer a great learning opportunity”

Infection Prevention and Control Nurse

“Made me think a bit more about antibiotics”

New Qualified Registered Nurse

“The workbook was really well received at the health board drop in awareness session”

Infection Prevention and Control Manager

“We have had many comments about the workbook and notes of interest from the registered nurses who attended our HAI study day where the workbook was presented to the group”

Infection Control Study Day Organiser

EVIDENCING EDUCATIONAL IMPACT

The workbook can assist in providing outcomes and evidence for nursing and midwifery revalidation as well as evidence for eKSF for use in personal development reviews. Examples are provided on pages 5 and 6 of the workbook.

LOCAL IMPLEMENTATION STRATEGIES

There are many ways in which the workbook can be implemented locally. Strategies may differ from board to board to ensure a fit with local policies and training plans. Options discussed with health board who participated in the implementation pilot include:

- Involving all relevant stakeholders such as Infection Control Managers, HAI Education Leads, Antimicrobial Management Teams in planning discussions to ensure collaborative and cohesive support for implementation
- Include workbook awareness in induction programme for new nurses and midwives
- Use local communication channels, groups and networks to promote the workbook using standard set of slides provided by NES/SAPG and adaptable by health boards/care homes
- Link with Practice Education and Training Teams to offer drop in sessions, short workshops or topical discussions to promote the workbook
- Present benefits of the workbook including links to HAI Standard 5 to corporate and governance groups to obtain endorsement for implementation
- Suggest a cohort of nurses/midwives to complete the workbook in the first instance to provide a focus group for feedback and build capacity to support mentors/supervisors.
Antimicrobial resistance is a growing national and international concern and has been referred to as a “global threat to public health” by the World Health Organisation. With few new antibiotics in development it is vital that we safeguard the resource we have available to ensure that antimicrobials remain effective for treating and preventing infections for future generations.

The important role that nurses and midwives can play as part of the multidisciplinary approach to antimicrobial stewardship has been recognised in recent years. A survey was conducted to scope current understanding of antimicrobial stewardship in nursing and midwifery with findings used to inform the development of an education resource to meet the learning needs of this staff group.

As a result of collaboration between NHS Education for Scotland (NES) and Scottish Antimicrobial Prescribing Group (SAPG) an interactive resource ‘Antimicrobial Stewardship Educational Workbook’ was developed.
USEFUL LINKS

Antimicrobial Stewardship Workbook  ow.ly/XG7EB
UK AMR Strategy 2013-18  ow.ly/UjYtO
ScotMARAP (2) Updated 2014  ow.ly/UjYD8
HAI Standards updated February 2015  ow.ly/UjYKl

Local Health Board Alert Antibiotic Policy and Antimicrobial Prescribing Policy and poster guidance

FOR FURTHER INFORMATION

NHS Education for Scotland (NES)  www.nes-hai.info
Scottish Antimicrobial Prescribing Group (SAPG) ow.ly/UjY8y
Contact hai@nes.scot.nhs.uk

LOCAL CONTACTS

HAI Education Lead
Infection Control Manager
Antimicrobial Management Teams
Antimicrobial Pharmacist
Clinical Ward/Department Pharmacist
Senior Clinical Staff
Care Home Manager/in-house trainer