HAI
Education for Infection Prevention and Control

NHS
Education for Scotland

Healthcare Associated Infection (HAI)

Education resources to support health and social care staff in the prevention and control of HAI

Delivering Quality Education for a Healthier Scotland

www.nes-hai.info

Spring 2016

The HAI educational resources are for all professions and disciplines in NHSScotland and extend to social care settings. The resources are grouped under broad categories and the key below indicates the target audience for each resource.

Target Audience

- **Health and care role – direct patient/client face-to-face contact e.g. healthcare support workers, nurses, midwifes, AHPs, GPs, medical staff, dental care professionals, under and post graduate students**
- **No health/care role – direct patient/client face-to-face contact e.g. ward clerks, receptionist, medical secretaries**
- **Health and care role – no direct patient/client face-to-face contact e.g. decontamination technicians/operatives, pharmacists, laboratory technicians**
- **No health/care role – no direct patient/client face-to-face contact e.g. domestic and ancillary staff, non-patient porters, estates and facilities staff**

Resources specifically developed for social care staff or directly relevant to them are indicated with **(SC)**.

We have devised a standalone matrix which matches all HAI educational resources to the target audience groups based on type of job role. The matrix may be of assistance when planning local training sessions for staff. Full details of all resources and the matrix are available at **www.nes-hai.info.**

General Infection Prevention and Control and Standard Infection Control Precautions (SICPs)

The online programme provides knowledge and understanding of the principles of Aseptic Technique. Learners can self select modules depending on their role and responsibilities. Modules include: Insertion of Peripheral Vascular Catheters; Taking Blood Cultures; Insertion of Indwelling Urethral Catheters; Applying Aseptic Technique to Wounds; Specimen Sampling for Microbiological Analysis, Long Term Central Vascular Access Devices and Management of Arteriovenous Fistula (AVF).

45 minutes per module

Breaking the Chain of Infection

The DVD is based around the Standard Infection Control Precautions (SICPs) and features a dramatised scenario demonstrating infection prevention and control in practice. This resource can be viewed as a short self directed exercise or can be used as a teaching tool for small groups.

30 minutes

CleanlinessChampions
Promoting the Prevention & Control of Infection

This programme is based on the Standard Infection Control Precautions (SICPs) and the overall aim is to prepare staff to promote and maintain a healthcare culture in which patient safety related to infection prevention and control is of the highest importance. It supports two main themes of safe practice and safe environment.

15-30 hours

Getting it Right: Practical Application of SICPs

This resource pack provides materials to support Infection Prevention and Control staff in the teaching of Standard Infection Control Precautions (SICPs). The resource is based on practical scenarios that reflect clinical situations that staff may find themselves in and allows staff to participate in active learning combining theory and practice. The scenarios are ideal for incorporating into your local education and training provision.

HAI Induction/Refresher

This programme is based around the Standard Infection Control Precautions (SICPs). It can be used for induction of new starts or by existing staff to update themselves on the basic knowledge and principles of infection prevention and control. Learners can select either the clinical or non-clinical option. A stand alone assessment module offers an update or yearly refresher option.

Clinical: Non-Clinical:

1-1.5 hours

Indwelling Urinary Catheter Maintenance

Resources to help care staff assess and undertake the correct procedure when managing the care of a person with a urinary catheter to help minimise or prevent Urinary Tract Infections. The resources are available in a variety of formats for use at point of care and can be used alongside catheter passports. The main themes are catheter maintenance with a focus on assessment, emptying and changing a catheter bag. **(SC)**

Promoting Hand Hygiene in Healthcare

A standalone online module taken from the Cleanliness Champions Programme is designed to reinforce the importance of hand hygiene in preventing the spread of infections. The module provides an update and refresher and can be used by learners to challenge their personal hand hygiene knowledge and practice. **(SC)**

1 hour

Personal Protective Equipment (PPE)

This short video focuses on the common problems identified with PPE as outlined by health boards and in inspection reports. The video breaks down the dos and don'ts and provides practical examples. The video is ideal for incorporating into your local education and training provision. **(SC)**

10 minutes

Preventing Infection in Care

The DVD/CD Rom contains the information you need to help prevent and control the risk of infection and to provide a safe, clean environment within all care settings including care homes, home environments, residential housing and day care services for adults. It offers an induction module and a full programme with a variety of supporting tools including multiple choice assessment questions and a workbook for use locally in practice. **(SC)**

Preventing Infection in Care at Home

The mobile app and pocket book are aimed at staff providing care in the community, care homes or in a homely setting. The resources list common infection risks staff may encounter when providing care and reveals the "must do" Standard Infection Control Precautions (SICPs) guidance that should be followed to minimise the risk of spreading infection to themselves, other staff and the person receiving care. There is also an outbreak management scenario which can be used as a work-based learning tool. **(SC)**

Preventing Infection in Healthcare

This pocket book was adapted from the Preventing Infection in Care at Home resource but focuses on the Standard Infection Control Precautions (SICPs) guidance for staff caring for patients in an acute setting.

The Prevention and Management of Occupational Exposure

This online module provides health and social care staff with the knowledge and understanding on the prevention and management of occupational exposure adverse events in the workplace/work activities from sharps injuries to blood borne viruses (BBVs). **(SC)**

1-1.5 hours

Promotion of Continence and the Assessment of Bladder Dysfunction in Adults

This online module provides staff working in health and social care with the necessary knowledge in the causes of incontinence and the treatment options available to ensure that they can assist those they care for to maintain continence and where possible avoid the insertion of an indwelling urethral catheter. **(SC)**

1 hour

Safe Management of Blood and Body Fluid Spillages

This short animation is based around the blood and body fluid spillage algorithm contained within the National Infection Prevention and Control Manual. The animation translates the algorithm into an engaging visual resource that is ideal for incorporating into your local education and training provision. **(SC)**

6 minutes

Safe Management of Care Equipment

This short video focusing on the principles of cleaning equipment features practical demonstrations of how to clean specific pieces of equipment, especially those identified in inspection reports. The video is ideal for incorporating into your local education and training provision. **(SC)**

6 minutes

Safe Management of Linen

This video aims to ensure safe and consistent practice within NHSScotland in the handling, segregation and processing of hospital laundry in line with national guidance on the decontamination of linen and the Standard Infection Control Precautions (SICPs) which cover safe management of linen at ward level.

15 minutes

Strengthening Our Defences

This resource pack was developed following the Strengthening our Defences HAI awareness events and is ideal for use by local trainers. It includes "Helen's Story", a dramatized story highlighting the human cost of HAIs. Questions, activities and reflective exercises which you can adapt and incorporate into your local training are included. There are also tools and templates to help you to plan actions to improve infection control practice in your local area. **(SC)**

Urinary Catheterisation: Management, Care and Prevention of Infection

This online module is suitable for staff caring for people with indwelling urinary catheters in health and social care settings. It will improve their knowledge of catheterisation in the context of their own practice. The resource is divided into eight units and is based on the Institute for Health Improvement four components of care required to prevent Catheter Associated Urinary Tract Infections (CAUTI). **(SC)**

4 hours

Organisms and Outbreaks

Clostridium Difficile: Prevention and Control of Infection

An introductory online module for health and social care staff to better understand what *C. difficle* is, how people acquire it and who is it risk from it, how *C. difficile* spreads, the treatment options and the measures that should be taken to prevent the spread of *C. difficile*.

(Module available summer 2016)

30 minutes

Clostridium Difficile Infection (CDI) Tutorial

This online tutorial informs the learner on the prevention, diagnosis and treatment of CDI, the spectrum of disease and its presentation. The resource is aimed at specialist nurses, infection control and antimicrobial teams, foundation year doctors and consultant level physicians and surgeons.

1 hour

Clostridium Difficile Infection (CDI) Scenario

This online scenario presents information and questions around *C. difficile* and its management. Some questions are based on the management of an individual case; others look at the broader aspects of clinical management. The resource allows the learner to decide on how best to manage the situation presented.

1 hour

Data Collection Tools for use in Outbreaks of Infection

This online module provides infection control and health protection staff with the knowledge and practical skills to enable them to produce and interpret Epidemic curves, Line Lists and Time Lines. The resource demonstrate how the charts can be applied in NHS boards in the event of a suspected or confirmed outbreak to aid in the prevention, identification, control and management of the outbreak.

1.5 hours

Helping Patients Cope with Isolation

This online module aims to help staff understand the psychological, social and physical effects of isolation on patients in hospital, regardless of the cause of isolation and provides techniques and ideas for lessening these impacts through meaningful therapeutic interventions.

1 hour

Hospital Outbreak Management

This online module walks learners through an outbreak scenario which takes place within an acute hospital setting. The outbreak is depicted over a six-day period and uses various formats to convey information.

1-1.5 hours

Management of Legionella Incidents in the Community

This online module supports health and social care staff in implementing the *Guideline on the Management of Legionella Cases, Incidents, Outbreaks and Clusters in the Community*. The sequential steps and actions spelled out in the guidelines are enacted within the scenario bearing many of the hallmarks of a real Legionella incident, outbreak and cluster.

2 hours

Microbiology

This online module assists healthcare staff to understand microbiology and covers types of micro-organisms involved, cell structure, identification of micro-organisms, epidemiology and organisms behaviour in order to consolidate and deepen their understanding of infection prevention and control.

1-1.5 hours

HAI Acute Hospital Admission Screening

This online module replaces the MRSA screening module and incorporates CPE screening. It guides healthcare workers in acute hospital settings through a two step admission screening process: accurately completing a Clinical Risk Assessment (CRA) followed by taking the correct swabs or other specimens from patients at high risk of carrying MRSA or CPE.

1 hour

MRSA Tutorial

This online tutorial describes the significance of MRSA in the healthcare setting and outlines how MRSA can be treated. It highlights the complexity of measures needed to prevent and control MRSA in the hospital and community setting.

1 hour

MRSA Scenario

This online module uses a clinical scenario approach to describe the assessment of infection and investigation of MRSA. Some questions are based on the management of an individual case; others look at the broader aspects of clinical management. The resource allows the learner to decide on how best to manage the situation presented.

1 hour

Multi Resistant Gram Negative Bacilli (MRGNB)

MRGNB present a serious challenge in the clinical management of infection and resistance to beta-lactam antibiotics. The online module is relevant to all healthcare practitioners and may be of particular interest to GPs, antimicrobial teams, pharmacists and dentists, non medical prescribers, infection control teams and specialist nurses in the prevention and control of MRGNB in acute and community settings.

1-1.5 hours

Minimising the Risk of Pseudomonas Aeruginosa Infection and Other Waterborne Outbreaks

This video contains demonstrations and explanations by clinical staff from Intensive Care and Neonatal Units of procedures taken to minimise risk of waterborne infections such as *Pseudomonas aeruginosa*. The video offers guidance on a multidisciplinary approach to surveillance, risk assessment, recording and audit of measures and highlights how staff can apply the six critical control points to minimise infection risks.

10 minutes

Skin Integrity

Common Skin Conditions Explained

This pocket book assists healthcare staff in community settings in managing most of the common dermatological conditions they are likely to encounter. The resource aids in structured history taking, advanced decision-making skills, recognising differential diagnosis, formulating prescriptions, identifying referral pathways where required and provides practical advice on emollient and steroid therapy. **(SC)**

Hand Dermatitis

The pocket book and presentation aim to complement hand surveillance skills and training by providing health and care workers with a better understanding of good hand care and prevention of skin damage. The resources equip staff with the knowledge and skills to recognise skin damage to hands which may be associated with work-related substances and to take the required action to reduce or prevent the symptoms.

(SC)

The Prevention & Management of pressure ulcers

The online module and hard copy reference/workbook assist health and care staff in acute or community settings to understand pressure ulcers – how they form, how they are treated and crucially how they can be prevented. The resource also encompasses tools for identifying key education support progressive development in tissue viability through the Creating Viable Options Tool.

(SC)

4 hours (online module)

Skin Tears: Prevention, Assessment and Management

Skin tears are on the rise and if appropriate treatment is not given, these injuries can become chronic wounds. The video and workbook provide guidance and best practice on groups at risk of skin tears and covers classification, prevention and management to assist those providing care for people in hospital, their own home or in a care home.

(SC)

video 20 minutes, workbook 4 hours

Antimicrobial Resistance/ Stewardship

Antimicrobials in Clinical Practice

This presentation is designed for local trainers to deliver education for practitioners who are involved in the prescribing, monitoring and administration of antibiotics in clinical practice. The resource covers diagnosis of infection and clinical decision making, prudent antimicrobial prescribing, antimicrobial use in hospital and primary care and nurses role in antimicrobial management.

Antibiotic Prescribing

This online module for medical prescribers, nurse practitioners, specialist nurses and community pharmacists aims to heighten awareness of contemporary approaches to antimicrobial management relating to clinical effectiveness, patient safety and the reduction of bacterial resistance. An introductory unit is followed by a series of short vignettes based on different infections, relevant to acute or community settings.

1-2 hours

Antimicrobial Stewardship Workbook

The workbook aims to equip registered nurses and midwives in acute and community settings with a broad range of knowledge and skills and assist in developing competences in core aspects of antimicrobial stewardship by learning and reflecting on current practice within the workplace. The workbook supports registered nurses and midwives and will also be of interest to staff involved in antimicrobial stewardship in a care home setting. The workbook is also freely available as an iBook for download from iTunes. **(SC)**

GaV – Gentamicin and Vancomycin

These online modules are based on the Scottish Antimicrobial Prescribing Group guidance in relation to prescribing, administering and monitoring of intravenous gentamicin use in adults using either the Hartford or Greater Glasgow and Clyde guidance and intravenous vancomycin in adults as a continuous or an intermittent infusion. Modules should be undertaken based on the guidance adopted locally in practice.

3 x 45 minutes

Subject Specific

The national e-learning programme covers all stages of the decontamination life cycle and supports the education of all staff involved in some way with the decontamination of re-usable medical devices. The programme is available as three options and depending on your role, you may not require completing all nine modules.

One hour per module or 9 hours for full programme

Preventing and Controlling Healthcare Infection – Domestic Services Training Guide

This DVD is suitable for the domestic services workforce in NHS acute and primary care settings and provides education and training in infection prevention and control and cleaning of the healthcare environment. The resource aligns with the Domestic Service Competency Workbook and Standard Infection Control Precautions (SICPs) and is accompanied by a multiple choice question assessment for individual learners and an assessment based on clinical scenarios for use when learning is delivered to a group.

1 hour

Presentation of Infections in the Older Person

This online module has been developed to assist staff who deliver care to recognise the most common signs of infection in the older population and take the most appropriate actions to prevent infection and further complications. **(SC)**

1.5–2 hours

Preventing Ventilator Associated Pneumonia

This online module is aimed at doctors, nursing staff and infection prevention and control practitioners working with ventilated patients. The module will improve the learner's understanding of the causes, harm caused to patients, how to prevent ventilator associated pneumonia and how to improve practice and reduce the occurrence of ventilator associated pneumonia.

1-1.5 hours

Quality Improvement in HAI

This online module shows how to make simple improvements in the workplace. Worked examples from different health boards aim to stimulate ideas and to motivate and encourage staff to start their own improvement journey. The module is applicable for a wide range of staff and there is no need for any previous experience in quality improvement.

1-1.5 hours

Recognising Surgical Site Infection (SSI)

The online module, PowerPoint presentation and pocket guide resources aim to improve practice in assessing and recording of surgical site infection (SSI) and improve understanding of the implications of SSI for the patient. The resources will benefit all healthcare staff involved in data collection for SSI surveillance, assessment and management of surgical sites and involved in the diagnosis and/or treatment of SSIs.

1 hour (online module)

Frameworks

Framework for Mandatory Induction Training

This framework incorporates the core competences for infection prevention and control and outlines national learning outcomes for the development and provision of infection prevention and control mandatory training for all staff groups.

Career Development Framework for Infection Prevention and Control Nurses

This framework provides assistance to Service Leads, Infection Prevention and Control Nurses, Managers of Infection Prevention Teams (ICTs) in identifying the practice and competences required by staff in infection control roles to provide safe, effective and person-centred care. There is a short online module showing how to use the career framework to support professional development, identify further training and development for staff. The framework is also available as a free mobile app.

30 minutes (online module)

Framework to Support Staff Development in the Decontamination of Re-usable Medical Devices (RMDs)

This framework supports staff that undertake, manage or are responsible for decontamination activities in local, endoscopy or central decontamination units throughout Scotland. It supports practitioners to increase and develop their existing knowledge, understanding and skills in the complex area of decontamination and covers staff working in NHS Boards and the independent sector e.g. independent hospitals, general dental services and non-NHS podiatry sectors. It may also be helpful as a reference source for higher education institutions when planning curriculum which include decontamination services.

NHS Education for Scotland
Westport 102
Edinburgh
EH3 9DN

www.nes-hai.info

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This resource may be made available, in full or summary form, in alternative formats and community languages. Please contact us on 0131 656 3200 or email altformats@nes.scot.nhs.uk to discuss how we can best meet your requirements.

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