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 Key**

<table>
<thead>
<tr>
<th>Health and care role.</th>
<th>No health/care role.</th>
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<tbody>
<tr>
<td>Direct patient/client contact e.g. healthcare support workers, nurses, midwives, AHPs, GPs, medical staff, dental care professionals, pharmacists and undergraduate students.</td>
<td>No health/care role. Direct patient/client face-to-face contact e.g. ward clerks, receptionist, medical secretaries.</td>
</tr>
<tr>
<td>Health and care role. No direct patient/client face-to-face contact e.g. decontamination technicians/operatives, laboratory technicians.</td>
<td>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.</td>
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</table>

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](http://www.nes-hai.info)
The foundation layer of the SIPCEP comprises e-learning modules, printable learning resources, pocket guides, videos, animations, DVDs etc. covering all 10 Standard Infection Control Precautions and other introductory infection prevention and control topics.

These essential learning resources are aimed at staff and students new to health and social care, but are also suitable for more experienced staff in any setting who want to refresh their knowledge or update their skills. They are aligned with the National Infection Prevention and Control Manual (NIPCM) and provide the foundation for further learning in IPC. The aim of the SIPCEP foundation layer is to enable all staff to contribute to a healthcare culture in which patient safety related to infection prevention and control is of the highest importance.

Topics include:

- Why Infection Prevention and Control Matters
- The Chain of Infection
- Patient Placement/Assessment for Infection Risk
- Hand Hygiene
- Respiratory and Cough Hygiene
- Personal Protective Equipment (PPE)
- Safe Management of Care Equipment
- Safe Management of Care Environment
- Safe Management of Linen
- Safe Management of Blood and Body Fluid Spillages
- Safe Disposal of Waste (including sharps)
- Prevention and Management of Occupational Exposure (including sharps)
- Prevention and Control of Infection – Clostridium difficile
- Infection Prevention and Control: Refresher for non-clinical staff
- Infection Prevention and Control: Refresher for clinical staff

Resources can be individually selected. 
Variable, 20-30 minutes per e-learning module

The foundation layer of the pathway will be available June 2017.
Other resources within the foundation layer of the pathway that have been customised for specific audiences include:

**Preventing Infection in Care**
This 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 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 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. ★★★

**Preventing Infection in the Ambulance Setting**
This interactive guide designed for use on tablets 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 the ambulance setting. ★★★
General Infection Prevention & Control

Aseptic Technique
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; Long Term Central Vascular Access Devices and Management of Arteriovenous Fistula (AVF).

20 minutes per module
The programme also includes a short animation on injecting into joint cavities for general practitioners, podiatrists, physiotherapists, rheumatologists and junior hospital doctors. The animation is scenario based and follows the process from initial consultation to the actual procedure showcasing aseptic technique in practice.

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.

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.

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 for Today’s Practitioners

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 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. Registered nurses and midwives it may also be of interest to staff involved in antimicrobial stewardship in a care home setting. (SC)

Scottish Reduction in Antimicrobial Prescribing (ScRAP) Programme

An educational toolkit to help support a reduction in unnecessary antibiotic prescribing in primary care. The resource is aimed at GP practices by may be of interest to others working in primary care. The programme includes educational materials to support delivery of facilitated learning sessions across four key topics (1) Antimicrobial resistance and HAI (2) Public understanding and expectations (3) Targeting prescribing for respiratory tract infections and (4) Managing urinary tract infections.

Each session is designed to be ‘bite-size’ and last 30 to 60 minutes.

GaV – Gentamicin and Vancomycin

These online modules are based on the 2013 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
Indwelling Urinary Catheter Maintenance
The resources (A3 poster and A4 double sided guide) help care staff assess and undertake the correct procedure when managing the care of a person with a urinary catheter. The main theme is to minimise or prevent urinary tract infections with a focus on assessment, emptying and changing a catheter bag. (SC) 1 hour

Promotion of Continence and the Assessment of Bladder Dysfunction in Adults
The online module provides health and social care staff 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

Urinary Catheterisation: Management, Care and Prevention of Infection
This online module is suitable for staff caring for people with indwelling urinary catheters in the health and social care settings. It will improve their knowledge of catheterisation in the context of their own practice. The resource is made up of eight units and the learner can select the modules depending on their role and responsibilities. (SC) 4 hours

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 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

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
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 provide 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
The 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 in the guidelines are enacted within the scenario bearing many of the hallmarks of a real Legionella incident, outbreak and cluster.

2 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 Pseudomonas aeruginosa. The resource 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

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
Skin Integrity

Common Skin Conditions Explained
The pocket book assists healthcare staff in community settings in managing most of the common dermatological conditions they are likely to encounter. The resource will aid 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 social 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)

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

The Prevention and Management of Pressure Ulcers
The online module and hard copy reference/workbook assist health and social care staff in an acute or community setting 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)

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Other Infection Prevention & Control Related Education Resources

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 3 options and depending on your role, you may not require completing all nine modules.

1 hour per module or 9 hours for full programme

Presentation of Infections in the Older Person
This online module has been developed to assist health and social care 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

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 and PowerPoint presentation 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

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. The framework is also available as a free mobile app.

⏰ 30 minutes for 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.
This resource may be 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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