

## CC10 Infection control

To develop the ability to manage and control infection in patients, including controlling the risk of cross-infection, appropriately managing infection in individual patients, and working appropriately within the wider community to manage the risk posed by communicable diseases		
Knowledge	Assessment Methods	GMP Domains
Understand the principles of infection control as defined by the GMC	E, Mi, C, ACAT	1
Understand the principles of preventing infection in high risk groups (e.g. antibiotic use to prevent Clostridium difficile) including understanding the local antibiotic prescribing policy	E, Mi, C, ACAT	1
Understand the role of notification within the UK and identify the principal notifiable diseases for UK and international purposes	E, Mi, C, ACAT	1
Understand the role of the Health Protection Agency and Consultants in Health Protection (previously Consultants in Communicable Disease Control – CCDC)	C, ACAT	1
Understand the role of the local authority in relation to infection control	ACAT, C, Mi	1
Skills		
Recognise the potential for infection in patients being cared for	E, Mi, C, ACAT	1, 2
Counsel patients on matters of infection risk, transmission and control	E, Mi, C, ACAT, PS	2, 3
Actively engage in local infection control procedures	ACAT, C	1
Actively engage in local infection control monitoring and reporting processes	ACAT, C	1, 2
Prescribe antibiotics according to local antibiotic guidelines	ACAT, C, Mi	1
Recognise potential for cross-infection in clinical settings	E, ACAT, C, Mi	1, 2
Practice aseptic technique whenever relevant	D	1
Behaviours		

Encourage all staff, patients and relatives to observe infection control principles	E, ACAT, C, M	1, 3
<b>Level Descriptor</b>		
1	<p>Always follows local infection control protocols. Including washing hands before and after seeing all patients</p> <p>Is able to explain infection control protocols to students and to patients and their relatives. Always defers to the nursing team about matters of ward management</p> <p>Aware of infections of concern – including MRSA and C. difficile</p> <p>Aware of the risks of nosocomial infections</p> <p>Understands the links between antibiotic prescription and the development of nosocomial infections</p> <p>Always discusses antibiotic use with a more senior colleague</p>	
2	<p>Demonstrate ability to perform simple clinical procedures utilising aseptic technique</p> <p>Manage simple common infections in patients using first-line treatments. Communicating effectively to the patient the need for treatment and any messages to prevent re-infection or spread</p> <p>Liaise with diagnostic departments in relation to appropriate investigations and tests</p>	
3	<p>Demonstrate an ability to perform more complex clinical procedures whilst maintaining aseptic technique throughout</p> <p>Identify potential for infection amongst high risk patients obtaining appropriate investigations and considering the use of second-line therapies</p> <p>Communicate effectively to patients and their relatives with regard to the infection, the need for treatment and any associated risks of therapy</p> <p>Work effectively with diagnostic departments in relation to identifying appropriate investigations and monitoring therapy</p> <p>Working in collaboration with external agencies in relation to reporting notifiable diseases, and collaborating over any appropriate investigation or management</p>	

4	<p>Demonstrate an ability to perform most complex clinical procedures whilst maintaining full aseptic precautions, including those procedures which require multiple staff in order to perform the procedure satisfactorily</p> <p>Identify the possibility of unusual and uncommon infections and the potential for atypical presentation of more frequent infections. Managing these cases effectively with potential use of tertiary treatments being undertaken in collaboration with infection control specialists</p> <p>Work in collaboration with diagnostic departments to investigate and manage the most complex types of infection including those potentially requiring isolation facilities</p> <p>Work in collaboration with external agencies to manage the potential for infection control within the wider community including communicating effectively with the general public and liaising with regional and national bodies where appropriate</p>
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<b>Emergency department context</b>	
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1	<p>Washes hands between patients</p> <p>Does not eat on the shop floor</p> <p>Clears up trolleys after procedures</p> <p>Safely disposes of all sharps</p> <p>Uses gloves in all venepuncture or invasive procedures and goggles for high risk procedures in resus</p>
2	<p>Inserts central line, chest drain, arterial line, catheter under aseptic conditions</p> <p>Notifies all infectious diseases including common ED presentations (meningococcal, malaria, food poisoning)</p> <p>Follows H1N1 national guidance for reduction of transmission</p>
3	<p>Recognises and takes appropriate action in potential infection including use of masks, aprons, closed cubicles (e.g. diarrhoea, haemoptysis)</p>
4	<p>Uses blood cultures appropriately with good technique and for appropriate indications</p> <p>Starts antibiotics within 1 hour for septic patients</p>
<b>Leadership</b>	<p>Specialty trainees should demonstrate competence in all elements of domains, with some evidence in setting direction</p>
Demonstrating personal qualities	<p>Promotes and reminds others to use hand gel and wash hands **</p> <p>Supports Trust policies on infection control including 'bare below the elbows'</p> <p>Always wears clean scrubs or appropriate shirts /tops **</p>

Working with others	Identifies and reminds staff who are not following infection control measures **
Managing the service	Ensures antibiotic prescribing protocols available and followed Discusses antibiotic prescribing on every relevant patient on board rounds or when supervising **
Improving services	Audits and takes action on antibiotic prescribing ***
Setting direction	Reviews departmental infection control processes including isolation space, pandemic flu policy, hand washing facilities *