

## Assessment Blueprint for Infectious Diseases

Curriculum area	Competence	Exam	Mini-CEX	DOPS	MSF	CBD	PS
<b>Objective 1: To obtain clinical competence in the assessment, investigation, diagnosis and management of community acquired infection at consultant level</b>							
<b>1. Ability to take appropriate history</b>							
K	Symptom patterns	x				x	
S	C1 Relevant, succinct and logical histories even when language, physical or mental impairment pose difficulties Collateral history where appropriate and necessary Record risk factors for conditions relevant to mode of presentation Use of interpreter		x				
	C2 History taking in difficult situations (patient confused, aggressive, non-compliant) Collateral history in challenging situations (e.g. confrontational or anxious family)		x				
A	Consider interaction of psychological and social well being on the physical symptoms to show empathy with the patient					x	
<b>2. Ability to perform appropriate physical examination</b>							
K	A knowledge of the patho-physiological basis of physical signs		x				
S	C1 Explain the procedure to the patient, ensure that patient discomfort is minimised. Elicit appropriate physical signs. Gain appropriate consent, and respect individual's dignity, privacy and rights to refuse an examination Formal assessment of Cognitive Function when appropriate Basic assessment of Mental State when appropriate Skillfully use instruments of examination		x				
	C2 Perform a valid examination in more challenging situations e.g unconscious patient, distracting environment Can demonstrate and teach examination technique		x				
A	C1 Be aware of patient dignity, confidentiality and ethnic issues. The relative's rights and responsibilities. The need for a chaperone		x		x		x

## Assessment Blueprint for Infectious Diseases

Curriculum area	Competence	Exam	Mini-CEX	DOPS	MSF	CBD	PS
<b>3. Ability to perform appropriate investigation and specific skills including lumbar puncture</b>							
K	A knowledge of the pathophysiological basis of test.	x				x	
	Knowledge of its relevance. Pathological basis of the test. The cost and economy and safety of the investigation	x					
S	C1 Ability to select appropriate tests. Ability to interpret results. Ability to perform specific skill including lumbar puncture according to guidelines			x		x	
	C2 Ability to select invasive and more specialised tests and interpret results		x			x	
A	Establishing close rapport and understanding with laboratory staff. Recognising the need of a patient to understand procedures and results of tests				x	x	
<b>4. Ability to achieve an appropriate specific or differential diagnosis and initiate appropriate treatment</b>							
K	C1 A broad knowledge of clinical presentation of infectious diseases A knowledge of optimum treatment of infections A knowledge of how to access up to date information	x					
	C2 Knowledge of clinical presentation of unusual infectious diseases	x					
S	C1 Ability to assimilate clinical, laboratory and epidemiological information and to use this to differentiate between infections and other conditions					x	
	C2 Formulate a more complete list of differential diagnosis Construct a problem list in scenarios where there are a number of issues that need to be considered					x	
A	Consideration of diagnostic issues in relation to fears of patient.					x	
	Ability to review and revise the diagnostic matrix					x	
<b>5. Ability to identify and respond appropriately to the epidemiological consequences of the diagnosis including interaction with the wider infection team</b>							
K	C1 Knowledge of epidemiological consequences of different diseases	x					
	C2 Knowledge of epidemiological systems available for control of disease and how to access them	x					

## Assessment Blueprint for Infectious Diseases

Curriculum area	Competence	Exam	Mini-CEX	DOPS	MSF	CBD	PS
S	C1 Ability to make accurate risk assessment Ability to recognise when urgent epidemiological action is required					x	
	C2 Ability to recognise when urgent epidemiological action is required Ability to recognise who must be involved in epidemiological control in different settings					x	
A	C1 Cooperative working in multidisciplinary team				x		
	C2 Close rapport with colleagues				x		
<b>6. Obtain competence in management of TB, hepatitis including B and C (cross speciality infections)</b>							
K	C1 Epidemiology of TB, hepatitis B and C, the clinical illnesses including natural history The clinical management including efficacy, pharmacology and limitations of therapy	x					
	C2 How a clinic should be run – the multidisciplinary input to a TB, hepatitis B or C service. Awareness of patient support groups	x					
S	C1 Diagnosing illness including with atypical as well as typical presentation eg with TB using clinical and epidemiological skills		x				
	C2 Selecting suitable hepatitis patients for treatment Monitoring therapy and ensuring compliance with treatment					x	
A	C1 Non judgmental particularly regarding disease, race, gender, life style, religion Good at multidisciplinary team working				x	x	x
	C2 Prepared to work with patient support groups					x	

## Assessment Blueprint for Infectious Diseases

Curriculum area	Competence	Exam	Mini-CEX	DOPS	MSF	CBD	PS
<b>Objective 2: To obtain competence at consultant level in the management of HIV infection and in the management of immune compromised patients (with and without AIDS)</b>							
<b>1. Ability to recognize infection in the immune compromised patient – specifically ability to:</b> <b>Take appropriate history</b> <b>Perform appropriate physical examination</b> <b>Carry out appropriate investigation</b> <b>Achieve appropriate diagnosis and initiate appropriate treatment</b>							
K	Pathophysiology and clinical features of infection in immune compromised host	x				x	
	Relevance of specific aspects of history	x	x			x	
	Relevance of specific physical signs (and their absence)	x	x				
	Pathological basis for investigations	x				x	
	Cost, economy and safety of investigation in immune compromised	x				x	
S	Awareness and knowledge of patient support groups					x	x
	Ability to explain procedures to patient and achieve valid informed consent		x				x
	Skill to elicit physical signs		x				
A	Ability to interpret test results and explain to patient		x				
	Consider interaction of psychological and social well being on physical symptoms					x	
	Demonstrate empathy		x		x		x
	Be aware of patient dignity, confidentiality and ethnic issues. Non judgmental attitudes				x		
	Awareness of patient's rights and responsibilities		x			x	
	Sympathy with patient's fears						x
	Prepared to work with patient support groups					x	
<b>2. Ability to understand the causes and risk factors leading to immune deficiency including:</b> <b>HIV/AIDS</b> <b>Malignancy</b> <b>Immunosuppressive cytotoxic drugs</b>							
K	Biological and iatrogenic aetiology of immune deficiency	x					
S	Ability to communicate risk activity and its management to patients		x				
	Ability to recognize clinical and laboratory manifestations of immune deficiency		x				
A	Non judgemental attitude to risk activities		x				x
	Sympathetic understanding of patient fears						x

## Assessment Blueprint for Infectious Diseases

Curriculum area	Competence	Exam	Mini-CEX	DOPS	MSF	CBD	PS
<b>3. Ability to provide counseling to patients and relatives</b>							
K	General epidemiology and therapeutic options for the condition	x					
	Prognostic assessment	x				x	
	Risk/benefit analysis of therapies	x				x	
S	Communication skills that allow patients and carers to participate in decisions		x		x		x
A	Non judgemental				x		x
	Caring recognition of social, cultural and religious factors				x		x
<b>4. Competence in the use of specific HIV diagnostics</b>							
K	Understanding of current diagnostic techniques	x	x				
S	Appropriate use of current diagnostic techniques		x				
	Resource management		x				
A	Recognition and appreciation of patient wishes and fears		x			x	x
<b>5. Ability to institute and manage anti retroviral therapy</b>							
K	Pharmacokinetics and mode of action of available therapy.	x					
	Mechanisms of resistance and cross resistance	x					
	How to access further information eg on current guidelines etc	x				x	
S	Ability to apply guidelines and recommend appropriate drug regimens					x	
	Monitoring and recognition of side effects					x	
	Engaging patients to support adherence and facilitate treatment decisions					x	x
A	Unbiased application of knowledge to the clinical situation					x	
<b>6. Ability to work and liaise with a multi-disciplinary team (including self help groups) in the management of immune deficiency (including HIV) and in terminal care. Risk/benefit analysis of treatment options. Likely outcomes of different therapeutic avenues</b>							
K	Spectrum of professional and complementary therapies available.					x	
	Palliative medicine, nutrition, pain relief, psychology of dying					x	
S	Discernment in balancing a scientific and caring approach to the problem.					x	
	Team working ability				x		
	Delivery of effective pain and psychological management					x	
A	Commitment to continuity of care through physical illness to death.					x	
	Recognition of the importance of team working				x		

### Assessment Blueprint for Infectious Diseases

Curriculum area	Competence	Exam	Mini-CEX	DOPS	MSF	CBD	PS
<b>Objective 3. To acquire the skills necessary at consultant level to recognise and manage hospital acquired infection, and institute control systems, including postoperative and Intensive care related illness</b>							
<b>1. Ability to use the following skills in the context of healthcare acquired infection:</b> . Clinical History taking . Appropriate Examination . Institute relevant Investigations <b>Reach a satisfactory management plan</b>							
K	Symptom patterns, Pathophysiology and origin of physical signs.	X					
	Common / typical problems in Hospital	X					
	Acquired Infection	X					
	Confidentiality and consent issues in the unconscious patient					X	
S	Ability to discern the relevant features of a case whether or not history available		X				
	Examination skills appropriate to the clinical situation		X				
	Rational use of laboratory facilities		X			X	
	Ability to determine origin of infection and develop a strategy for its containment					X	
	Organised thinking				X	X	
A	Sensitivity to patients, carers and relative's anxieties				X		X
	Recognition of the need to involve the patient regardless of the level of comprehension or consciousness				X		X
<b>2. Recognition and treatment of specific infections related to post operative sepsis</b>							
K	Common infections associated with particular surgical procedures	X					
	Local / National resistance patterns	X				X	
	Definition of wound infection	X				X	
S	Differentiation between colonization and infection	X					
A	Consistency in approach to problems					X	

### Assessment Blueprint for Infectious Diseases

Curriculum area	Competence	Exam	Mini-CEX	DOPS	MSF	CBD	PS
<b>3. Identification and management of infection and colonisation by multi resistant organisms in the hospital setting</b>							
K	Local/ national/ international antibiotic resistance patterns	X					
	Local/ national/ international clinical standards, guidelines and protocols	X					
S	Discernment of situations giving rise to antibiotic resistance					X	
	Application of knowledge to the clinical situation		X			X	
A	Multidisciplinary team working				X	X	
<b>4. The development of and execution of infection control policies in the hospital setting through the infection control committee</b>							
K	Evidence base for effectiveness of infection control policies	X				X	
	Local/ national/ international clinical standard, guidelines and protocols	X				X	
S	Ability to use knowledge to formulate appropriate local advice		X				
A	Team working, Assertiveness				X		
<b>5. The appropriate management of infection and infected patients throughout the hospital environment</b>							
K	Site and specialty specific infections	X					
	Evidence base for antibiotic management in specific clinical situations	X				X	
	Local/ national/ international antibiotic resistance patterns	X				X	
	Interaction / interplay of antiinfective management with current therapy	X					
S	Application of the knowledge required.					X	
	Interpersonal skills				X		
	Assertiveness in clinical management				X		
	Ability to apply knowledge appropriately to different clinical situations					X	
A	Team working				X		
	Assertiveness with recognition of clinical skills and priorities in other specialties				X		

### Assessment Blueprint for Infectious Diseases

Curriculum area	Competence	Exam	Mini-CEX	DOPS	MSF	CBD	PS
<b>6. The recognition and management of specific infection problems related to the Intensive Care Unit (ICU)</b>							
K	Common infection problems in the intensive care setting	X					
	Outcomes of infection in ICU setting	X				X	
	Evidence base for infection management	X				X	
S	Decision making ability		X				
	Ability to justify course of action		X				
	Communication skills		X				
A	Caring and consistent attitude to the seriously ill and dying patient				X	X	
	Responsible and appropriate attitude to the withdrawal of care				X	X	
<b>7. Ability to recognize and manage the consequences of infection including sepsis syndrome and DIC in an ICU and ward setting</b>							
K	Pathophysiology of serious sepsis	X					
	Likely outcomes	X				X	
	Evidence base for outcomes	X				X	
S	Prompt, relevant and appropriate decision making					X	
	Clear communication skills with other carers and relatives				X		X
A	A realistic attitude to holistic care of patient and relatives				X	X	
	Compassionate approach				X		X
<b>8. Ability to both advise on and choose appropriate personal protective equipment for infection scenarios</b>							
K	Specific categories of personal protective equipment	X	X				
S	Ability to don and instruct in the application of personal protective equipment for given infective scenarios			X			
A	Commitment and leadership in the application of principles of hospital infection control					X	

## Assessment Blueprint for Infectious Diseases

Curriculum area	Competence	Exam	Mini-CEX	DOPS	MSF	CBD	PS
<b>Objective 4: To achieve competence at consultant level in the diagnosis, investigation and management of imported infection and the provision of advice in relation to travel infection</b>							
<b>4.1 Recognition and treatment of imported infections: diagnosis and management of imported fevers including malaria. diagnosis and management of other imported diseases</b>							
K	Clinical and epidemiological features of imported diseases, including physical manifestations	X					
S	Ability to elicit and record appropriate travel history.		X				
	Ability to recognize symptoms and signs of imported disease		X				
	Ability to synthesise epidemiological and clinical data into differential diagnosis		X				
A	Consider interaction of psychological and social well being on the physical symptoms		X				
	Show empathy with the patient		X			X	
	Respect patient dignity, confidentiality				X		X
	Have sensitivity to ethnic issues					X	
	Recognise the relative's rights and responsibilities		X		X	X	X
	Recognise the need for a chaperone		X				
	Recognise the need of a patient to understand procedures and results of tests		X				
	Consideration of diagnostic issues in relation to fears of patient						X
	Patient confidentiality		X				X
K	Differential diagnosis of malaria	X					
S	Ability to select and interpret appropriate clinical features	X	X			X	
	Ability to select and interpret appropriate diagnostic tests		X			X	
A	Flexibility of thinking to review and revise the diagnostic considerations		X				
K	Availability and limitations of specialised diagnostic tests		X				
A	Establish close rapport and understanding with laboratory staff				X		
K	Management of malaria and other imported infections	X	X			X	
S	Ability to manage malaria and other common imported infections		X			X	
	Liaison with CCDC as appropriate		X			X	
	Awareness of infection control issues					X	
A	Good communication with professional colleagues on ward, in laboratory and in public health				X		

## Assessment Blueprint for Infectious Diseases

Curriculum area	Competence	Exam	Mini-CEX	DOPS	MSF	CBD	PS
<b>4.2 Provision of health advice for travelers vaccine usage. health hazards abroad and risk assessment for individuals. malaria prophylaxis and advice</b>							
K	Geographical patterns of disease	X				X	
S	Ability to use paper and electronic resources to identify patterns of disease	X				X	
A	commitment to maintaining up to date information					X	
K	Risk assessment for individual traveller.		X			X	
	Problems of special groups of Travelers eg elderly immunosuppressed	X	X			X	
	Hazards of different types of travel	X				X	
S	Ability to take and record accurately pretravel medical and travel history.		X				
	Ability to perform risk assessment appropriate to traveller		X				
	Ability to formulate and communicate appropriate verbal and written advice for traveller					X	
	Ability to motivate travellers to apply advice		X				
A	Care and attention to detail				X	X	
	Sensitivity, empathy, non judgmental				X		X
K	Availability, efficacy and safety of vaccines						
S	Ability to perform risk/benefit assessment and communicate effectively to traveller		X				
	Ability to prescribe and administer immunisations as necessary		X			X	
K	Use and safety of antimalarial prevention measures	X				X	
S	Ability to perform risk/benefit assessment and communicate effectively to traveller		X				X
	Ability to prescribe antimalarials as necessary		X				
K	Principles of organising a travel clinic					X	
S	Ability to work in multidisciplinary team				X		
	Ability to understand organisational and medicolegal aspects of travel clinic					X	
A	Awareness of skills of other team				X		
	Acknowledgment of skills of others in team and appropriate use of them				X		

## Assessment Blueprint for Infectious Diseases

Curriculum area	Competence	Exam	Mini-CEX	DOPS	MSF	CBD	PS
<b>4.3. Identification and use of sources of specialist advice for unusual infections</b>							
K	Knowledge of location and availability of tertiary care and advice lines	X					
S	Ability to recognize when tertiary level care/advice is needed and to seek it					X	
	Ability to use printed and electronic information sources					X	
A	Awareness of own limitations and need for specialist advice				X	X	
K	Knowledge of printed and electronic information sources					X	
S	Ability to use the knowledge appropriately in the clinical setting					X	
<b>4.4. Infection related problems of immigrants</b>							
K	Knowledge of health needs of different immigrant groups	X	X				
S	Ability to apply knowledge in clinical setting.		X				
	Ability to work with interpreters and patient support groups		X		X		X
A	Consider interaction of psychological and social well being on the physical symptoms				X	X	X
	Show empathy with the patient		X		X		X
	Awareness of patient dignity, confidentiality and ethnic issues				X	X	
	The relative's rights and responsibilities					X	
	Patient confidentiality		X			X	X
K	Epidemiological and clinical features of imported infection in immigrant groups	X	X				
S	Ability to recognize both acute and chronic infections in immigrants		X			X	
	Ability to identify symptomatic and asymptomatic infections		X			X	
A	The need for a chaperone					X	
<b>4.5. Interaction with community infection team</b>							
K	Knowledge of risks to community of different imported diseases, including rare situations that require urgent public health intervention	X	X				
S	Ability to make accurate risk assessment		X				
	Ability to recognise when urgent epidemiological action is required		X				
	Ability to recognise who must be involved in epidemiological control in different settings					X	
A	Cooperative working in multidisciplinary team				X	X	

## Assessment Blueprint for Infectious Diseases

Curriculum area	Competence	Exam	Mini-CEX	DOPS	MSF	CBD	PS
	Close rapport with colleagues				X	X	
K	Knowledge of epidemiological systems available for control of disease and how to access them	X					
S	Ability to recognise situations requiring public health input		X				
	Ability to share information with appropriate health care professional e.g. general practitioners, public health doctors in a timely manner				X	X	
A	Preserving patient confidentiality					X	X
	<b>Objective 5: To obtain an understanding of the role of the microbiologist and virologist and the importance of microbiological techniques in ID and to understand the process and constraints around the microbiological report</b>						
	<b>1. Basic microbiological benchwork including critical interpretation of laboratory procedures in relation to laboratory diagnosis</b>						
K	Knowledge of the microbiological basis of disease.	X					
	Knowledge of the pathological basis of tests and the laboratory factors affecting their interpretation	X					
S	Ability to perform laboratory tests identifying micro-organisms.		X	X			
	Ability to interpret the findings of microbiological investigations and recognise their limitations					X	
A	Establishing close rapport and understanding with laboratory staff				X	X	
	<b>2. Ability to be aware of the process and constraints around microbiological reporting</b>						
K	Knowledge of the pathways of microbiological reporting.	X	X				
	Knowledge of the boundaries of use of microbiological information in the context of clinical information	X				X	
S	Ability to communicate with colleagues and other doctors in different disciplines and enable them to appreciate the relevance of the data				X		
	Ability to interpret laboratory data in the context of clinical information		X			X	
A	Establishing good rapport with other medical colleagues				X		
	Cooperative working in multidisciplinary teams				X		

## Assessment Blueprint for Infectious Diseases

Curriculum area	Competence	Exam	Mini-CEX	DOPS	MSF	CBD	PS
<b>3. Ability to give advice on the repertoire, the appropriate use and the limitation of tests in the microbiology laboratory</b>							
K	Knowledge of the diagnostic tests available in the routine laboratory with understanding of further tests available at specialised centres.	X					
	Knowledge of antibiotic modes of action, side effects and interactions	X				X	
	Knowledge of other interventions (e.g. abscess drainage) useful in management of infected patients			X		X	
S	Ability to interpret results advice at the bedside and over the telephone		X			X	
	Ability to consider data in context of clinical information and when to obtain further clinical data		X			X	
	Ability to provide appropriate antibiotic and other management advice at the bedside and over the telephone		X			X	
A	Establishing close rapport with other medical colleagues.				X		
	Awareness of patient dignity, confidentiality and ethnic issues				X	X	X
	Consideration of interaction of psychological and social well being on the physical symptoms and demonstration of empathy to patients				X	X	X
<b>4. Management including health and safety procedures</b>							
K	Knowledge of the main health and safety procedures in the diagnostic laboratory and in category 3 isolation facilities.	X				X	
	Knowledge of regulations for handling of pathogens	X				X	
S	Performing laboratory work in a safe manner consistent with local rules and national guidelines		X			X	
A	Understanding and being sympathetic to the safety concerns of other laboratory staff				X		

## Assessment Blueprint for Infectious Diseases

Curriculum area	Competence	Exam	Mini-CEX	DOPS	MSF	CBD	PS
<b>Objective 6. To become competent in all aspects of the management of antibiotic use</b>							
<b>1. Competence in antimicrobial prescribing</b>							
K	Knowledge of antimicrobial agents, their spectrum of activity, mode of action, toxicity and appropriate use	X				X	
S	Selection of appropriate antimicrobial in the clinical setting. Liaison with microbiologists and laboratory		X			X	
A	Establishing close rapport and understanding with clinical and laboratory staff.				X		
	Flexibility to change the choice of antimicrobial in the context of a change in clinical situation or laboratory data		X			X	
<b>2. Ability to define issues relating to antimicrobial pharmacology and toxicology including side-effects</b>							
K	Knowledge of pharmacology, toxicity and side effects of antimicrobial agents.	X					
	Recognition of limitations of individual agents and combination therapies	X				X	
S	Application of the knowledge in simple and complex clinical settings		X			X	
A	Collaborative interaction with medical and nursing colleagues and understanding of the patient's concerns relating to use of more toxic agents				X		X
<b>3. Ability to develop antibiotic control policies</b>							
K	Understanding of the aims and objectives of an antibiotic policy.	X				X	
	Knowledge of the national and local epidemiology of resistance or where to locate it	X				X	
	Knowledge of cost of antimicrobials and understanding of the principles of resource utilisation	X				X	
	Recognition of importance of regular review of policy		X			X	
S	Work as part of a multidisciplinary team to provide the necessary information to write a policy.				X	X	
	Establish systems to ensure regular review of policy					X	
A	Work with colleagues from different disciplines.				X	X	
	Recognise different skills brought by different disciplines				X	X	

## Assessment Blueprint for Infectious Diseases

Curriculum area	Competence	Exam	Mini-CEX	DOPS	MSF	CBD	PS
<b>4. Competence in the economics of antimicrobial drug prescribing</b>							
K	Understanding of the importance of resource utilisation in relation to antimicrobials.					X	
	Knowledge of the relative costs of different agents	X				X	
S	Appropriate selection of suitable agents to fit the individual clinical situation, taking account of all factors including economics		X				
A	Ensuring that patient care is optimum.		X		X		
	Recognition that there is often more than one antimicrobial for a clinical situation, that choices are not usually right or wrong					X	
<b>5. Competence in the use of pre-operative antibiotic prophylaxis</b>							
K	Knowledge of the microbial agents likely to cause infection in different settings and their antimicrobial susceptibilities	X				X	
	Understanding the principles underlying pre-operative prophylaxis	X					
S	Use of the knowledge to apply prophylaxis in the light of local epidemiological and individual clinical issues e.g. allergy		X				
A	Understand the needs and problems of the doctors managing the patient. Be prepared to explain the issues of prophylaxis to patients					X	
<b>6. Ability to recognise, manage and limit the presence of resistant organisms in clinical infectious diseases</b>							
K	Knowledge of infection control principles and policies	X					
	Recognition of the common reasons for failure of control of infection principles		X			X	
S	Ability to apply infection control by explanation, education and application of written policies					X	
	Ability to lead a multidisciplinary team and explain the necessary actions to control infection to other health care staff including administrative staff					X	
A	Sensitivity to the difficulties of establishing good infection control.					X	
	Recognition of the importance of clear messages and repetitive messages to health care professionals and patients delivered in a constructive manner				X		

## Assessment Blueprint for Infectious Diseases

Curriculum area	Competence	Exam	Mini-CEX	DOPS	MSF	CBD	PUB
<b>Objective 7. To obtain an understanding of research methodology and the practical implementation of research projects</b>							
<b>1. Competence in research methodology including basic statistics (Necessary)</b>							
K	Research methods; clinical trial design; research ethics; statistical analysis and common statistical errors; to know how to initiate appropriate clinical studies	X				X	X
S	Experimental design, writing up.						X
	Statistical analysis	X					X
	Appropriately assess importance of published work	X					X
A	Curiosity and spirit of enquiry but healthy cynicism.					X	
	Be prepared to change practice in the light of published evidence		X			X	
<b>2. Involvement in detailed clinical or preclinical research (optional)</b>							
K	Detailed knowledge of a specific area	X					X
	Detailed understanding of the techniques and results of the research	X					X
S	High level ability to undertake all aspects of research including its interpretation	X					X
	Usually ability to write a MD or PhD						X
	Possibly ability to complete a MSc degree						X
A	Curiosity, maintaining interest in detail over a long period and an inquiring mind						X
<b>3. Epidemiological and public health research (optional)</b>							
K	As stipulated by epidemiology training programmes	X					
<b>4. Ability to use mathematical models in infection. (optional)</b>							
K	Detailed knowledge of mathematical models	X					X
S	Handling, interpretation and application of mathematical models		X				X
A	Curiosity and an inquiring mind				X		X

## Assessment Blueprint for Infectious Diseases

Curriculum area	Competence	Exam	Mini-CEX	DOPS	MSF	CBD	PUB
<b>Objective 8. To have the opportunity for additional enhanced training in specific areas related to Infectious Diseases including clinical virology, clinical pharmacology, public health and epidemiology, GU Medicine, vaccinology, overseas practice (this part of the Curriculum is optional but will be important to some trainees dependent on their intended career pathway).</b>							
<b>1. Clinical virology</b>							
K	As appropriate to needs of the individual trainee	X					
S	Enhancement of skills in the specific area of study		X				
A	Recognition of 'added value' of the additional targeted training					X	
<b>2. Clinical pharmacology</b>							
K	As appropriate to needs of the individual trainee	X					
S	Enhancement of skills in the specific area of study		X				
A	Recognition of 'added value' of the additional targeted training					X	
<b>3. Public Health and Epidemiology</b>							
K	As appropriate to needs of the individual trainee	X					
S	Enhancement of skills in the specific area of study		X				
A	Recognition of 'added value' of the additional targeted training					X	
<b>4. GU Medicine</b>							
K	As appropriate to needs of the individual trainee	X					
S	Enhancement of skills in the specific area of study		X				
A	Recognition of 'added value' of the additional targeted training					X	
<b>5. Vaccinology</b>							
K	As appropriate to needs of the individual trainee	X					
S	Enhancement of skills in the specific area of study		X				
A	Recognition of 'added value' of the additional targeted training					X	

## Assessment Blueprint for Infectious Diseases

Curriculum area	Competence	Exam	Mini-CEX	DOPS	MSF	CBD	PUB
<b>6. Overseas practice</b>							
K	As appropriate to needs of the individual trainee	x					
S	Enhancement of skills in the specific area of study		x				
A	Recognition of 'added value' of the additional targeted training					x	
<b>7. Global response to outbreak / disaster situations</b>							
K	As appropriate to needs of the individual trainee	x					
S	Enhancement of skills in the specific area of study		x				
A	Recognition of 'added value' of the additional targeted training					x	