HEALTH EDUCATION ENGLAND - WESSEX AND HEALTH EDUCATION THAMES VALLEY PROGRAMME FOR TRAINING IN INFECTIOUS DISEASES AND GENERAL INTERNAL MEDICINE AT UNIVERSITY HOSPITAL SOUTHAMPTON NHS FOUNDATION TRUST AND OXFORD UNIVERSITY HOSPITALS NHS TRUST.

Health Education England - Wessex is responsible for the planning, development, education and training of the healthcare and public health workforce across Hampshire, Dorset, Isle of Wight and Salisbury. We also provide medical training for the States of Jersey and GP appraisal services for Jersey and Guernsey. We believe that the key to improving the health and healthcare of the 2.8 million people living in Wessex is investment in the skills and values of the 52,000 people working in the NHS and in primary care.

Within the field of postgraduate medical education and training, we manage across primary and secondary care for these health communities – totalling around 2,400 doctors in training at any one time across 12 Trusts and 160 GP practices. In addition, we support the workforce development for GP Practice Nurses and Public Health practitioners as well managing a bespoke GP appraisal service for established GP Practitioners to meet the requirements for revalidation in accordance with the statutory requirements set by the General Medical Council.

We manage training programmes for postgraduate medical training according to the statutory standards set by the General Medical Council (GMC) and have responsibility for establishing and maintaining quality management systems for all posts and programmes as required by the GMC.

The work of Health Education England - Wessex is guided by the principles embedded within the NHS constitution.

Training Programme Overview

The Health Education England - Wessex and Health Education Thames Valley programme for training in Infectious Diseases and General Internal Medicine aims to produce physicians with appropriate experience and competencies to manage the full spectrum of patients with community and hospital acquired infections and competencies to provide care for general medicine patients in the acute care, inpatient and outpatient settings, leading to the award of a Certificate of Completion of Training (CCT) in Infectious Diseases (ID) and General Internal Medicine (GIM). Training will be in accordance with the requirements laid down by the Joint Royal Colleges of Physicians Training Board (JRCPTB) curricula in Infectious Diseases.
and General Internal Medicine. The training programme will provide modular training in order to allow trainees to gain all relevant competencies in the essential areas of infection and general internal medicine, but also to allow the flexibility to construct bespoke individualised training in selected sub-speciality areas to facilitate individualised career path development according to particular personal interests.

Based on the existing curricula for Infectious Diseases and General Internal Medicine, the programme will provide five years training in ID and GIM. Significant opportunities for academic research exist within the two training locations, and trainees will have the opportunity, subject to relevant prospective agreement, to undertake a period of research and which may count towards one of the five years of training in the programme.

The posts on this rotation have been approved for Specialty Training by the Royal College of Physicians. The Postgraduate Deans have confirmed that the posts comprising this training programme have the necessary educational and staffing approvals. In Health Education England - Wessex, Dr Fatima El Bakri is the Programme Director for Infection training and Drs Claire Page and Andrew Williams are Training Programme Directors for General Internal Medicine (GIM). Health Education Thames Valley, Dr Bridget Atkins is the Training Programme Director for Infectious Diseases (and Medical Microbiology/Virology) and Dr Ian Reckless is the Trainee Programme Director for General Internal Medicine (GIM).

Applicants to the ID/GIM Training Programme are selected through the national recruitment scheme of the JRCPTB after completion of two years in either a Core Medical Training (CMT) or Acute Care Common Stem (ACSS) programme, as well as obtaining MRCP (UK) or are able to demonstrate they have the equivalent relevant competencies.

The programme will fulfill the requirements of the JRCPTB curriculum for General Internal Medicine in providing opportunities for assessment and management of acute unselected medical admissions and in inpatient and outpatient care.

Trainees will have the opportunity for 3 month attachments to medical specialty Firms, including but not limited to: Respiratory, Gastroenterology, Renal and Rheumatology. In addition, trainees will have the opportunity for a 3 month attachment in Intensive Care Medicine. Outpatient clinic opportunities will include: General Infectious Diseases, HIV/GUM, Hepatology, Tuberculosis, and OPAT (Outpatient Ambulatory Parenteral Antimicrobial Therapy). Trainees will also have the opportunity to participate for up to 6 months in at least one additional specialty clinic (for example Respiratory, Gastroenterology, Renal or Rheumatology).
The programme is based in the following Trusts within Health Education England - Wessex and Health Education Thames Valley. Trainees will rotate through attachments in the following hospitals:

<table>
<thead>
<tr>
<th>Trust</th>
<th>Hospitals and Locations</th>
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<tbody>
<tr>
<td>University Hospital Southampton NHS Foundation Trust (UHSFT)*</td>
<td>Southampton General Hospital, Princess Anne Hospital, Southampton Children’s Hospital.</td>
</tr>
<tr>
<td>Oxford University Hospitals NHS Trust (OUHT).</td>
<td>John Radcliffe Hospital, Churchill Hospital, Nuffield Orthopaedic Centre and Horton General Hospital.</td>
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During the 5 year training programme, a trainee will typically undertake 3-4 years training at UHSFT.

Below is an illustration of a typical 5 year training programme. The modular nature of training allows flexibility in tailoring the programme to the requirements of the particular trainee and the order in which posts are rotated through, may differ from the scheme shown. Each trainee will receive a minimum of 12 months training in ID and GIM at each centre including participation in the acute ‘take’ of unselected patient admissions at each of the two training centres, as well as clinical infectious diseases services.

Trainees will undertake a 6 month attachment in Medical Microbiology/Virology to include the principles of laboratory-based diagnostic techniques, microbiology consults (telephone and ward based), dealing with important microbiology/virology results including significant blood cultures, and in infection prevention and control. This training may be provided at either UHSFT or OUHT.
# Health Education England - Wessex and Health Education Thames Valley

## Training Programme in Infectious Diseases and General Internal Medicine

### YEAR 1

**Infectious Diseases and General Internal Medicine (UHSFT)**

- Clinical infectious diseases with direct care of ID inpatients
- Clinical infection ward consults
- Two outpatient clinics per week (opportunities include General Infectious Diseases, HIV/GUM, Hepatology, TB clinic, OPAT clinic, additional specialty clinic)
- Participation in the medical ‘on-take’ rota and GIM inpatient work to include WRs

### YEAR 2

**Infectious Diseases and General Internal Medicine (OUHT)**

- Clinical infectious diseases which may include direct care of ID inpatients
- Clinical infection ward consults
- 1-2 outpatient clinics per week (opportunities include General Infectious Diseases and additional specialty clinic)
- Participation in the medical ‘on-take’ rota and GIM inpatient work to include WRs
- Opportunity for 6 months training in Medical Microbiology/Virology*

### YEAR 3

**Infectious Diseases and General Internal Medicine (UHSFT)**

- Clinical infectious diseases with direct care of ID inpatients
- Clinical infection ward consults
- Two outpatient clinics per week (opportunities include General Infectious Diseases, HIV/GUM, Hepatology, TB clinic, OPAT clinic, additional specialty clinic)
- Participation in the medical ‘on-take’ rota and GIM inpatient work to include WRs
- Opportunity for 6 months training in Medical Microbiology/Virology*

### YEAR 4

**Infectious Diseases +/- General Internal Medicine (OUHT or UHSFT)**

- Clinical infectious diseases with direct care of ID inpatients
- Clinical infection ward consults
- Two outpatient clinics per week (opportunities include General Infectious Diseases, HIV/GUM, Hepatology, TB clinic, OPAT clinic, additional specialty clinic)
- Participation in the medical ‘on-take’ rota and GIM inpatient work to include WRs
- Opportunity for 6 months training in Medical Microbiology/Virology*
- Opportunity for elective attachments
YEAR 5

Infectious Diseases (UHSFT)

- Clinical infectious diseases with direct care of ID inpatients
- Clinical infection ward consults
- Two outpatient clinics per week (opportunities include General Infectious Diseases, HIV/GUM, Hepatology, TB clinic, OPAT clinic, additional specialty clinic)
- Participation in the medical ‘on-take’ rota and GIM inpatient work to include WRs
- Opportunity for elective attachments

* 6 months training in Medical Microbiology/Virology will be undertaken once during the 5 year rotation.

It is expected that the Specialty Trainee will take the ID speciality certificate examination (Royal College of Physicians) knowledge-based assessment during the years 3, 4 or 5 of the programme.

Workplace based assessments (WPBAs) will be completed as specified by the relevant curricula and monitored respectively via the ARCP panels in Infectious Diseases and General Internal Medicine.

Overall, the programme will comprise at least two full years of posts providing direct care for Infectious Diseases inpatients, and a minimum of 4 years of infection outpatient experience, including General Infectious Diseases, HIV/GUM, Hepatology/hepatitis and Tuberculosis.

Opportunities for research

Up to one year of research may count towards training. Post-holders will be encouraged to develop research interests and will be supported in making applications for fellowships to extend their research experience. There is a wide range of research opportunities at all the training locations on the rotation.
Management experience

During the rotation, typically in years 4, 5 or 6, the specialty registrar will have the opportunity to attend an appropriate management course which may be in either the Wessex or Oxford region.

Elective attachments

During the five year training programme (typically but not limited to years 4 or 5), trainees will have the opportunity for elective attachments to other centres. These elective attachments will be subject to TPD and Educational Supervisor prospective approvals.

Educational Supervision

Close clinical supervision will be provided by trained consultants throughout the rotation.

On appointment, each trainee will be assigned an educational supervisor in ID and GIM and will have regular appraisals (minimum three formal appraisals per annum) and will have a formal review prior to their ARCP. The educational supervision arrangements will be overseen by the training programme directors.

On commencing the post, trainees will be provided with a comprehensive induction incorporating all relevant aspects of the particular Trust’s and Department’s services and relevant administration processes.

POST-SPECIFIC INFORMATION

University Hospital Southampton NHS Foundation Trust (UHSFT)

UHSFT clinical services

University Hospital Southampton NHS Foundation Trust (UHSFT) is one of the largest acute trusts and teaching hospitals in the UK. It has approximately 1,400 beds and serves a local population of 640,000 and also provides a portfolio of specialist tertiary services for the local population and to a wider catchment of 3 million across central southern England and the Channel Islands. UHSFT is a designated Cancer Centre and a Major Trauma Centre and has facilities to receive critically ill patients via air ambulance. UHSFT Paediatric services will shortly be located in the newly built on-site Southampton Children’s Hospital. Obstetric and Gynaecology services are provided by the on-site Princess Anne Hospital and UHSFT is tertiary referral centre for foetal and neonatal medicine and surgery. UHSFT has three adult (general, cardiothoracic and neurosurgical) intensive care units (ICUs) and two Paediatric (neonatal and general paediatric) ICUs.
Approximately 15,000 adult patients per annum are admitted via the acute medicine service into 250 beds and around 20% of patients admitted through acute medicine have infections. Consequently, UHSFT continually provides care to a large number of challenging and complex infection cases, across an extremely wide spectrum of clinical specialties, both in inpatient and outpatient settings.

Trainees undertaking this post in Infectious Diseases (ID) and General Internal Medicine (GIM) will be provided with a wealth of excellent training and learning opportunities, enabling them to gain valuable experience in managing all aspects of community and hospital acquired infection and acute medical presentations, and to gain all appropriate competencies specified by the national curricula for ID and GIM.

All consultants and trainees in infection at UHSFT maintain close working links with the Health Protection Agency (HPA) microbiology laboratory sited within UHSFT. The laboratory processes in excess of 600,000 specimens per annum. The laboratory provides a comprehensive diagnostic service in bacteriology, mycobacteriology, mycology, virology and parasitology and has a well-equipped molecular facility providing diagnostics for a wide range of pathogens.

The training provided in Infectious Diseases and GIM at UHSFT is based in:

- The integrated Department of Infection, incorporating Infectious Diseases, Medical Microbiology, Medical Virology and Infection Prevention and Control
- The Acute Medicine Unit (AMU), Consultants in which supervise and lead care on a large (47-bed), open-plan Acute Medical Admissions Unit and adjacent Ambulatory Care Unit, and the general medical and specialty wards and clinics.

**Infectious Diseases Services**

**Inpatient ID service**

The Infectious Diseases Firm is one of the medical specialty firms within the Division of Emergency and Specialist Medicine. Patients are triaged by acute medical admission services, and those with community acquired infections or imported infections are then transferred to the care of the inpatient ID team under one of the 4 ID consultants.

The ID Firm is supported by an SHO, a medical assistant and a specialist nurse. The Infectious Diseases Firm also has close links with the respiratory 1 team (Drs Ben Marshall, Anindo Banerjee, Rachel Limbrey and Paul Elkington) who have an interest in respiratory infections and who are often involved in the care of inpatients with TB and HIV.
Infection consultation service

UHSFT Consultants in Medical Microbiology, Medical Virology and Infectious Disease provide a comprehensive infection consult service for inpatients. Specialty trainees in ID be involved in all aspects of this service. UHSFT provides specialist tertiary clinical infection services in Bone Marrow Transplant, Cardiothoracic Surgery, Neurosurgery and Paediatrics including Paediatric Infectious Diseases/Immunology and foetal medicine.

Modules providing ward-based consult advice include, but are not limited to:

- Cancer care (Haematology and Oncology, incorporating experience in bone marrow transplant patients)
- Cardiothoracic and Cardiology (including patients with prosthetic valve endocarditis and complex sternal wound infections)
- Neurosciences (incorporating experience in the management of cerebral abscess and neurosurgical infection such as intra-ventricular shunt infections)
- Trauma and Orthopaedic surgery (including patients with septic arthritis, osteomyelitis and prosthetic joint infection)
- Surgery including upper gastrointestinal surgery, Vascular surgery, ENT and Urology (incorporating patients with intestinal failure, intra-abdominal collections and infections associated with prosthetic material or implants)
- Obstetrics and Gynaecology
- Paediatric Infectious Diseases, Allergy and Immunology
- General Medicine and Elderly Care

Infection Clinics

During the post in Infectious Diseases specialty trainees will attend two infection outpatient clinics per week including: general infectious diseases, tuberculosis, HIV, and viral hepatitis.
Teaching sessions

- Weekly tutorials with internal and external speakers and including topics relevant to the infectious diseases and microbiology curricula
- Weekly Infection MDT meeting where inpatient cases are presented by trainees and discussed
- Weekly radiology meeting. This is a service-oriented session where trainees present relevant cases including ID inpatients and consults
- Weekly Medical Grand Round (at which the inpatient ID team regularly present)
- Monthly Wessex regional Infection training days
- Monthly Infection Forum meetings (UHSFT/UoS multidisciplinary clinical-academic presentations, including adult Infectious Diseases, Medical Microbiology/Virology, Paediatric Infectious Diseases, Immunology, HIV medicine, etc.)

In addition, numerous opportunities exist to attend specialty educational meetings (such as those provided in paediatrics, ICU medicine, medical and surgical specialties). Attendance at the weekly University of Southampton (UoS) Clinical Experimental Sciences seminars and combined respiratory clinical/academic meetings are encouraged.

During training years in which there is a GIM component trainees will be expected to attend the Regional and relevant Royal College GIM training days and will be released from clinical duties in order to do so. Weekly Medical Grand Round attendance will provide additional GIM training.

Opportunities to gain teaching experience

Trainees will be encouraged and given the opportunity to participate in undergraduate and postgraduate teaching and to develop their presentation and teaching skills. Opportunities include lectures/seminars, bedside teaching and participation in Departmental and Trust meetings listed above. The undergraduate infectious disease/microbiology curriculum is co-ordinated by Dr Tristan Clark, Senior lecturer and consultant in infectious diseases.
Research at UHSFT

The UHSFT Department of Infection has strong links with a number of research groups in the University of Southampton (UoS). In particular, UoS academics in collaboration with UHSFT colleagues have a national and international reputation in respiratory disease including respiratory infections, nutrition and gastrointestinal disease. Two of the ID consultants (Professor Rob Read and Dr Tristan Clark) are also clinical academics employed by UoS. Research interests include *Neisseria meningitidis*, pandemic influenza and point-of-care diagnostics for respiratory infections.

Summary of trainee’s overall role and responsibilities in Infectious Diseases

The main duties and responsibilities of the post are the day-to-day management of infectious diseases inpatients on AMU, the ID unit and the inpatient medical unit, review of consults across the UHSFT site and participation in two outpatient clinics per week, one of which will usually be the general Infectious Diseases clinic.

Illustration of weekly timetable for Specialty Registrar in Infectious Diseases:

<table>
<thead>
<tr>
<th>AM</th>
<th>Lunchtime</th>
<th>PM</th>
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<tbody>
<tr>
<td>Monday Clinical weekend handover meeting Consultant ward round</td>
<td>Radiology meeting</td>
<td>Inpatient ward work / Ward consults <em>Hepatitis clinic</em></td>
</tr>
<tr>
<td>Tuesday SpR ward round <em>General ID clinic</em></td>
<td></td>
<td>Inpatient ward work / Ward consults <em>OPAT clinic</em></td>
</tr>
<tr>
<td>Wednesday Consultant ward round <em>TB clinic</em></td>
<td>Journal club</td>
<td>Inpatient ward work / Ward consults Weekly ID MDT</td>
</tr>
<tr>
<td>Thursday SpR ward round</td>
<td>Medical Grand Round</td>
<td>Inpatient ward work / Ward consults <em>General ID clinic</em></td>
</tr>
<tr>
<td>Friday Consultant ward round</td>
<td>ID tutorial</td>
<td>Inpatient ward work / Ward consults</td>
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On call at UHSFT

On call duties for this post will comprise participation in the Medicine and Elderly Care on-call rota which incorporates both AMU acute medical on-take duties and Medicine and Elderly Care ward cover; these duties will comprise approximately 20% of the trainee’s clinical activity and training.

UHSFT Trainers and selected external trainers and colleagues

Consultants in ID/GIM  Professor Rob Read and Dr Tristan Clark

Consultants in ID/Microbiology  Dr Julian Sutton and Dr Sarah Glover

Consultants in Microbiology  Dr Adrian Basarab, Dr Graeme Jones

Dr Ann Pallett, Dr Helmut Schuster and

Dr Tatshing Yam

Consultant in Virology  Dr Emanuela Pelosi

Consultants in Acute medicine  Dr Chris Roseveare and Dr Ben Chadwick

Consultants in Paediatric ID  Professor Saul Faust and Dr Sanjay Patel

Consultants in Immunology  Dr Tony Williams and Dr Erin Effram

Specialty trainees  There will be one trainee in ID/GIM based at UHSFT at any one time, though this may increase in the future. In addition, there are at least 2 trainees in ID/microbiology based at UHSFT at any one time. There are currently between 24 and 26 specialty trainees in GIM based at UHSFT any one
PROGRAMME DIRECTORS
Dr Fatima El Bakri (Infection) and Drs Claire Page and Andrew Williams (GIM)

EDUCATIONAL SUPERVISOR
To be assigned on entry to the training programme

General information

Health Education Wessex’s management of Specialty Training programmes, including issues such as taking time out of programme and dealing with concerns or complaints, is available at www.wessexdeanery.nhs.uk and in the national ‘Gold guide’ to Specialty Training at http://specialtytraining.hee.nhs.uk/news/the-gold-guide/.

Main Conditions of Service

The posts are whole-time and the appointments are subject to:

- The Terms and Conditions of Service for NHS Doctors and Dentists in Training (England).
- Satisfactory registration with the General Medical Council.
- Right to work in the UK.
- Criminal Records Check/POCA check carried out by the Trust Medical HR department.
- Pre-employment checks carried out by the Trust Medical HR department - http://www.nhsemployers.org/your-workforce/recruit/employment-checks

Educational supervisor

The employer will confirm your supervisor on commencement.

General information

Salary Scale / Basic Pay
http://www.nhsemployers.org/your-workforce/pay-and-reward

National Terms & Conditions
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<tr>
<th>Travel and relocation</th>
<th><a href="http://www.wessexdeanery.nhs.uk/policies_procedures/relocation_guidelines.aspx">http://www.wessexdeanery.nhs.uk/policies_procedures/relocation_guidelines.aspx</a></th>
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