

Service Portfolio

Cancer Services

- Comprehensive non surgical oncology services including radiotherapy and chemotherapy
- Palliative care
- Macmillan Cancer Information Centre
- Clinical Trials Unit

Cardiothoracic Services

- Adult & paediatric cardiology
- Adult & paediatric respiratory medicine
- Adult & paediatric cardiothoracic surgery
- Adult & paediatric cardiopulmonary transplantation
- Electrophysiology
- Pacing & implantable defibrillator implantation
- Angioplasty
- Thoracic surgery
- Pulmonary hypertension
- Sleep investigation
- Paediatric extra corporeal membrane oxygenation
- Cardiothoracic anaesthesia
- Primary Pulmonary Hypertension
- Cardiothoracic intensive care

Children's Services

- Paediatric medicine
- Paediatric and neonatal surgery
- Paediatric oncology including neuro-oncology
- Paediatric nephrology
- Paediatric respiratory medicine
- Paediatric rheumatology
- Paediatric gastroenterology
- Forensic paediatrics
- Paediatric endocrinology
- Paediatric metabolic disease
- Paediatric intensive care
- Paediatric immunology and infectious diseases including sever combined immunodeficiency syndrome
- Paediatric neurology and neurosurgery
- Paediatric bone marrow transplantation

Clinical Support Services

- Physiotherapy
- Occupational therapy
- Dietetics
- Speech therapy
- Chiropody
- Pharmacy
- Psychology

Dental Services (Dedicated Dental Hospital and School)

- Restorative dentistry
- Oral surgery
- Oral medicine
- Oral and maxillo facial surgery
- Paediatric dentistry
- Orthodontics
- Specialist radiology
- Prosthodontics
- Periodontology
- Dental sedation
- Dental Emergency Clinic
- Undergraduate training
- Postgraduate training
- Training of dental care professionals

Dermatology Services

- Dermatology outpatients clinics
- Dermatology outpatient treatments including phototherapy and vascular laser treatment
- Dedicated in-patient services
- Dermatological surgery including Mohs
- Paediatric dermatology
- Phototesting

Elderly Care Services

- Acute Elderly Care
- Cardiovascular investigation unit
- Elderly rehabilitation including stroke
- Continuing care
- Day hospital
- Respite care
- Intermediate care
- Integrated falls services

Genetics Services

- Clinical Genetics
- Cytogenetics
- Molecular Diagnostic Genetics

- Diagnostic Service for Rare Neuromuscular Diseases

- Genetics Knowledge Park
- Mitochondrial DNA Laboratory

Internal Medicine Services

- Emergency Admissions
- General Medicine
- Endocrinology
- Diabetes
- Cystic fibrosis
- Respiratory medicine
- Acute Stroke medicine
- Gastroenterology
- Cardiology
- Clinical Immunology
- Infectious diseases & tropical medicine (including high security isolation unit)
- Hepatology
- Clinical pharmacology and Poisons Information Service
- Accident and Emergency Services
- Urgent Care Services
- Walk in Centres

Laboratory Medicine

- Clinical biochemistry
- Maternal serum screening
- Clinical haematology and blood transfusion
- Microbiology and Infection Control
- Cellular Pathology (including Neuropathology)
- Muscle and Nerve Biopsy Service
- Immunology
- Open access service
- Cytology

Musculoskeletal Services

- Trauma
- Adult orthopaedics
- Paediatric orthopaedics
- Rheumatology
- Metabolic bone disease services
- Bone tumour services
- Specialist spinal surgery

Neuroscience Services

- Neurosurgery
- Neurology
- Neurophysiology

Key

- designated Supra-regional Services
- designated National Receiving Centre
- in collaboration with Newcastle Primary Care Trust
- National Centre designation awaited

○ Neuroradiology

- Deep Brain Stimulation Centre
- Mitochondrial Diagnostic Services

Ophthalmology Services

- Cataract service
- Glaucoma service
- Adult and paediatric strabismus (squint) services
- Oculoplastic service including socket service
- Multidisciplinary Thyroid orbital service
- Vitreoretinal surgery
- Corneal service including transplantation
- Eye casualty services
- Optometry and orthoptic clinics
- Nurse-led pre-admission assessment clinics
- Dedicated separate adult and paediatric daycase facilities
- Medical photography
- Tertiary centre for Photodynamic therapy for age-related maculopathy
- Rehabilitation officer for newly registered blind and partially sighted patients

Otolaryngology, Head and Neck

- Ear, nose and throat
- Head and neck surgery
- Audiology and Hearing Aid Services
- Otology implant services

Peri-operative and Critical Care Services

- Anaesthetics
- Theatres
- Resuscitation
- Intensive Care
- Chronic and acute pain management
- High dependency care
- Recovery
- Multi-specialty day unit
- Home ventilation
- Critical Care Outreach service

Plastic and Reconstructive Surgery Services

- General Plastic & reconstructive surgery
- Vascular laser treatments
- Cleft lip & palate surgery
- Burns
- Hand surgery
- Head and neck surgery (with ENT)
- Breast reconstructive surgery
- Paediatric plastic surgery

Radiology

- General X-ray
- Contrast Studies
- Interventional Radiology
- Magnetic Resonance Imaging
- Computed Tomography
- Ultrasound
- Ward Imaging

Regional Medical Physics

- Nuclear medicine
- Radiotherapy physics and technology
- Physiological measurement
- Critical Care physics
- Bone mineral measurement
- Audiological science
- Vascular ultrasound
- Photomedicine
- Clinical instrumentation
- Radiation protection
- Ultrasound quality assurance
- Audiometer calibration and repair
- Technical aid service
- Rehabilitation engineering and mobility
- Clinical and scientific computing equipment development and calibration
- Bioengineering

Renal Services

- Acute nephrology
- Haemodialysis
- Specialist hypertension services
- Transplantation
- Continuing care and support

Specialist Haematology Services

- Haemato-oncology
- Haemophilia
- Bone marrow transplantation

○ Thrombophilia

- Community Anti-coagulant service
- DVT service

Surgical Services

- General surgery
- Upper gastro-intestinal services
- Vascular surgery
- Colorectal surgery
- Endocrine surgery
- Liver Transplantation
- Renal Transplantation
- Pancreas Transplantation
- Hepatobiliary and pancreatic surgery
- Breast care services
- Disablement services
- Endoscopy
- Pre-admission clinics

Urology Services

- General and specialised urological surgery
- General urology
- Uro-oncology
- Laparoscopy
- Incontinence
- Reconstruction
- Urodynamics
- Surgical andrology
- Endourology and Lithotripsy

Women's Services

- Gynaecology including urogynaecology and colposcopy
- Obstetrics
- Fetal medicine
- Reproductive medicine
- Neonatal intensive care and special care
- Family planning services
- Community midwifery services
- Maternity
- Midwifery/obstetric ultrasound and screening
- Specialist services (multidisciplinary) for pregnant women with substance misuse problems
- Specialist services (multidisciplinary) for twins and multiples
- Termination of pregnancy service
- Bereavement counselling

These 23 Directorates/Departments form the organisational structure to deliver the Trust's clinical activities.