The Christie International

Accessible Cancer Expertise
World class experience driving excellence in cancer services
Welcome to The Christie

From its establishment in the early 1890s to the present day, The Christie is renowned as a world pioneer in cancer care, treatment, research and education. Based in Manchester in the North West of England, we are Europe’s largest single site cancer centre and the first UK centre to be officially accredited by the Organisation of European Cancer Institutes as a Comprehensive Cancer Centre.

We have recently been named as the world’s most technologically advanced cancer centre outside North America due to our advances in radiotherapy, proton beam therapy, brachytherapy, chemotherapy, robotic surgery, advanced imaging techniques, and our integrated clinical trials unit.

We are passionate about the ways in which cancer care can be advanced, leading to real improvements in clinical outcomes and patient experience; this is evidenced by our leadership in the creation of the National Cancer Strategy for the whole of England. Our vision is to be the partner of choice for specialist cancer advice to health sectors across the world, adding value by delivering innovative solutions, both for large scale planning and for operational service delivery. Utilising the expert knowledge and experience of our specialists we can ensure that our clients deliver excellence in cancer care to their patients.

Here at The Christie, we are extremely proud of our heritage in leading the way in cancer care. Our outcomes evidence the impact we have had, not only in clinical care but also in patient experience and it is this unique expertise that we offer through our consultancy.

To learn more about the Christie International and to watch our online video click here

Professor Chris Harrison
National Clinical Director for Cancer
and Medical Director at The Christie

Providing world class oncology consultancy
Why Choose The Christie?

The Christie has been providing excellence in cancer care for over 100 years and we have grown to be one of the most prestigious and respected cancer centres in the world.

We provide an unparalleled combination of clinical and technical experts with a wealth of experience in their fields and extensive analytical tools, specialist capability, and award winning knowledge. We offer specialist cancer consultancy ranging from undertaking a complete assessment of our clients’ service requirements, through to provision of specific advice on service developments, implementation and quality control.

Our portfolio of services is diverse and tailored to our clients’ specific needs. What makes The Christie stand out from other consultancy providers is the difference we make to clinical outcomes and patient experience. The Christie is consistently rated excellent by the patients who use our services.

As part of the National Health Service (NHS) The Christie is one of only two dedicated cancer centres in the UK. We are proud to provide treatment at one of the largest radiotherapy services internationally with the full range of specialist technology. We run the UK’s largest chemotherapy unit at our main hospital site and also deliver care at seven other hospitals as well as through our mobile chemotherapy unit and in patients’ homes. We are also a national leader in the provision of highly specialist surgery for complex and rare cancers.

The Christie not only provides excellent clinical services but we are internationally renowned for our innovations in clinical research. Our research portfolio includes a wide range of treatment trials across all phases and non-treatment trials. We undertake leading edge research with over 630 clinical trials being undertaken each year. This ground-breaking research is made possible through our active engagement in many partnerships, such as that with The University of Manchester, the Manchester Academic Health Science Centre, and our on-site research facility The Manchester Cancer Research Centre.

As well as academic partnerships, The Christie has a number of well-established commercial partnerships spanning areas such as drug dispensing, specialised diagnostics and pathology. In partnership, The Christie leads on providing the national contract for PET CT which includes training professionals across the entire country. The Christie Clinic is a private hospital located on The Christie main site and managed by Health Care America (HCA) which provides cancer care and treatment for a wide range of patients.

We are passionate about providing the highest quality of care for patients and it is this dedication and commitment to cancer care that makes us the consultancy provider of choice for our clients.

Manchester has the only dedicated School of Oncology in the UK, established to promote specialist training and education. We provide internationally accredited courses and skills based training, enabling clinical staff to practice to the highest standard.

“[I’ve been treated at The Christie for nearly 13 years and I can honestly say it’s a truly incredible place. I’m secure in the knowledge that I’m getting the very best care from a hospital that is leading the way in treatment and research. I wouldn’t want to be treated anywhere else.”

Manchester’s scientific heritage

- Manchester European City of Science 2016
- Alan Turing invented the world’s first computer
- Ernest Rutherford discovered the proton while splitting the atom in 1917
- Home of the invention of graphene, the world’s thinnest material

The Christie’s scientific heritage

- The first use of x-rays for the treatment of cancer in 1901
- The site of the world’s first clinical use of image guided radiotherapy
- The world’s first clinical trial of Stilboestrol and Tamoxifen
- Chosen as the UK’s first comprehensive high energy proton beam therapy centre
The Christie Consultancy

The Christie is renowned, not only for providing excellence in clinical care but also for being leaders in developing new cancer services. Drawing on over a century of leadership in planning, establishing and reviewing cancer care provision, we have extensive experience of developing innovative operational solutions, producing national and regional cancer strategies, advising the UK government on all aspects of radiotherapy provision and developing quality mark accreditation to ensure services are being delivered safely and effectively.

**Accessible cancer expertise**

It is this expertise that we use to guide our clients on how to transform services in order improve efficiency and patient outcomes and to attract more patients. Using scientific methods and analytical tools, our consultancy team assists our clients to understand their population and service needs whilst identifying gaps in services and assessing the key issues.

According to the agreed scope and further actions, The Christie will provide a full breakdown of the team which will be assigned to the project, with full details of qualifications and experience. Once work has commenced, regular update reports will be sent and a number of site visits may be required.

Based on a well-established methodology, The Christie has produced a 3 stage development model aimed at assessing, delivering and reviewing the clients’ requirements; each client is able to access any stage. Accessing this provision places our clients in the strongest position to deliver world class cancer services for their patients, significantly improving the patient and customer experience.

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**The Christie 3 Stage Development Model**

1. **Stage 1**
   - Strategic Needs Assessment

2. **Stage 2**
   - Implementation and Delivery

3. **Stage 3**
   - Compliance & Quality Assurance

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Stage 1 Strategic Needs Assessment

The Christie’s experienced team is able to assist its clients to understand the needs of the patient population. This will include support to assess the incidence of cancer and future prevalence projections, an analysis of gaps within knowledge and service provision, comparison of the gap analysis against best practice pathways and standards, to determine local capacity requirements in both services as well as in the local workforce.

From this detailed analysis, we will provide specialist advice on innovative models of care delivery and develop local action plans. This will include stakeholder analysis and engagement, particularly focussed on engagement with clinicians, commissioning authorities and patients / people affected by cancer, as well as advice on developing strategic cancer partnerships to facilitate decision making and policy development.

Once a client has the full understanding of their needs, The Christie is able to use the considerable experience gained in establishing and reviewing cancer care services over many years, to advise on all aspects of strategy and policy development. A number of Christie professionals are core members of UK wide advisory groups in cancer care and therefore bring the latest thinking in their advice to clients. This is particularly relevant when our clients are considering broader, potentially nation-wide, strategic developments.

In accordance with the agreed scope, a report will be produced that will include advice and guidance on:

- Developing longer term cancer strategies, either organisationally or nationally
- Advising on establishing networked chemotherapy or radiotherapy facilities
- Developing clinical protocols and policies to support a patient’s transition between hospital and community services

The Christie team will provide:

**Report**

Following the assessment visit, a comprehensive report detailing findings and recommendations for action will be sent to our client within 20 working days. This report will summarise the local healthcare system architecture, the drivers for change in cancer care and the recommendations for action according to the specific requirements of the client.
Stage 2 Implementation & Delivery

Once there is a full understanding of the client’s needs and they have a clear strategy, The Christie consultancy team will assist in the development of implementation and delivery plans for a range of service developments.

This will include support with the design of new facilities, the procurement and commissioning of equipment and the recruitment and training of staff where required.

The Christie is able to offer comprehensive advice, according to requirements, in the following areas:

Radiotherapy Services

- As a world leader in radiotherapy services, The Christie specialists provide a comprehensive assessment of requirements including capacity and demand, design and build of facilities, procurement and commissioning of equipment, training and education of staff and effective use of existing technology.
- Our radiotherapy clinical leaders are internationally renowned for implementation of new techniques and taking these through to routine clinical practice. They are also recognised for their leadership in research and clinical trials which make these innovations possible. We ensure that our clients benefit from the procurement of appropriate equipment and associated services which not only deliver value for money, but also meet the needs of a highly functioning oncology centre in terms of support and maintenance.
- We also provide detailed advice in more specialist aspects of radiotherapy including proton beam therapy for the treatment of certain types of tumour, and brachytherapy which is highly effective for patients with gynaecology, prostate, skin and intraluminal cancers.

Chemotherapy Services

- Design & Build
With significant experience of designing and building a number of satellite centres, The Christie is well placed to advise and support in this area, offering advice in the design of new radiotherapy centres, procurement of build and construction contracts and commissioning of new facilities. This service ensures that our client will benefit from a fully designed and developed centre that meets the needs of its patients, incorporating the facilities to deliver the most appropriate treatment and patient care.
- The team will also ensure co-ordination of equipment and service design requirements, whilst fully integrating the centre with the other hospital services in order to deliver an efficient, patient focussed oncology centre.

Proton Beam Therapy
The Christie will be the first high energy proton beam therapy (PBT) centre in the UK. Our team of expert physicists, radiation scientists and building engineers have considerable experience in building, equipping and commissioning proton beam therapy services. Our clinical expertise in this area includes both direct patient clinical services and also establishing effective clinical policies and protocols, ensuring high quality care delivery between the proton centre and other local hospital sites.

With the growing global demand for more targeted radiotherapy care, we are in an excellent position to provide a comprehensive consultancy service to both new and established services.

Second opinion consultation

- Education and Training
Stage 2 Implementation & Delivery

Radiotherapy Services

Radiation Protection Advice
The Christie is one of only 2 UK based healthcare organisations licensed as corporate Radiation Protection Advisers. Our team of experts can offer a comprehensive range of therapeutic and diagnostic protection services to ensure compliance with international safety standards around ionising radiation. Specialist protection advice is also available in establishing x-ray facilities, safe working practices and safety levels around patient and staff dosimetry.

Medical Physics
The Christie physics team is one of the largest and most experienced in the world and as such can offer a wealth of advice in the procurement and commissioning of specialist radiotherapy equipment and techniques.
These include:
- Linear Accelerators
- MRLinac
- Proton Beam Therapy (PBT)
- Stereotactic Ablative Radiotherapy (SABR)
- Intensity Modulated Radiotherapy (IMRT)
- Computerised Tomography (CT)
- Volumetric Modulated Arc Therapy (VMAT)
- Image Guided Radiotherapy (IGRT)
- Positron Emission Tomography CT (PET CT)

Brachytherapy
Our brachytherapy service is unique in that we have been delivering brachytherapy here at The Christie for almost a hundred years. We have developed systems of radium treatment that have been widely implemented internationally and we continue to be a major brachytherapy centre, using cutting edge techniques incorporating image guidance and optimisation.
We operate the busiest brachytherapy service in the UK treating around 450 patients per year. Highly specialised physics and radiography staff operate three afterloaders for Pulsed Dose rate Radiotherapy (PDR) and High Dose rate Radiotherapy (HDR) for the treatment of prostate, gynaecological, skin, lung and oesophageal cancer, as well as offering one of the UK’s largest prostate Iodine-125 seed services.
This long standing experience gives our clients assurance that our recommendations will be suitable to their specific population and service requirements.

The Christie team will provide the following to improve clients Radiotherapy services:

- Capacity and demand analysis
- Assistance with procurement and commissioning of equipment
- Training and education of staff
- Advice on radiation protection protocols
- Advice on the design and build of facilities
- Advice on the effective use of existing technology
Stage 2 Implementation & Delivery

Chemotherapy Services

Success in cancer care diagnosis means that many more people are being identified and are commencing life saving chemotherapy treatment than ever before.

As national leaders in developing innovations in medicines optimisation The Christie team has a wealth of experience in designing and delivering innovative ways of providing this care.

To meet this increasing demand for cancer drug therapies, The Christie’s pharmacy team can support in delivering the most clinically optimal and cost effective drug regimes to their patients.

The Christie School of Oncology will provide:

- Educational observerships and visits to The Christie
- Educational courses, workshops, seminar programmes and study days delivered at either our Manchester site, through our on-line virtual learning environment, or through a travelling faculty
- Access to a range of academic cancer education programmes with our partner universities, including The University of Manchester
- Advice and consultancy on designing, commissioning, and developing education and training

Second opinion consultation

The Christie consultant team use their skill and expertise to provide support to international partners to help confirm a diagnosis and treatment plan, or recommend additional treatment options. This service is an excellent option for clinicians who want to offer their patients all possible options for care.

The Christie is able to offer rapid access to international clinical specialists who are experts in treating specific tumour groups. These specialists will review the individual patient’s full medical history, including radiology and histology in order to provide a rapid and detailed assessment and confirmation of diagnosis with supporting guidance. This can be supported with direct telephone and videoconferences if required which will help to give patients confidence in the recommended course of treatment.

After a Christie clinician completes the second opinion medical consultation, the patient’s case will either be closed or, if requested, it will be transferred for follow-up treatment.

The Christie team will provide a report:

Once all the complete information is received, a comprehensive report will be produced within 7-10 days. However, referring clinicians will receive regular updates on the progress of the second opinion consultation.

The Christie team will support in:

- Improving patient outcomes by enabling patients to have access to the latest evidence based treatments and clinical trials
- Providing the best possible experience for patients, taking into account patient preference whilst meeting all chemotherapy best practice guidelines.
- Optimising the delivery of chemotherapy
- Increasing the chemotherapy services provided closer to home

Education and Training

The Christie has the only dedicated School of Oncology in the UK. We are therefore uniquely placed to address our clients’ need for high quality and effective education and training.

The School of Oncology provides a highly successful international programme of learning modules and has access to a complete range of professionals, with the knowledge and skills necessary to develop and deliver world class cancer services. These include medical, nursing, radiography and radiotherapy staff, medical physics and biological scientists, specialist pharmacists, physio and occupational therapists, as well as the complete range of service and performance managers essential to commission, develop and deliver effective and efficient services.

To find our more about The Christie Educational Services click here

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Stage 3 Compliance & Quality Assurance

Once the client is satisfied that the new developments have been successfully delivered and are embedded into business as usual, the team is able to offer assurance that those high standards which have been implemented are maintained through a comprehensive audit and review process.

The Christie has developed a highly respected approach to quality assurance known as The Christie Quality Mark. The core elements of success in providing quality assurance have been identified and can be used by client organisations to establish consistent and auditable processes. The aim of the Quality Mark is to ensure that patients are fully assured that the standards and quality of care they receive are consistent irrespective of where their care is delivered.

The Christie team will review and report:

The Compliance and Quality Assurance can be undertaken either through quarterly reviews or through an annual compliance visit. The output from this will be a report produced within 20 working days of a visit that details the quality audit reviews with recommendations for action.

International Patient Treatment

Uniquely positioned as the UK’s largest specialist cancer centre, we can offer international patients access to our state of the art treatment services. Our private patient service is provided at The Christie Clinic and is a joint venture with Healthcare America (HCA) International, the UK’s largest provider of private cancer care.

The Clinic has gained a reputation for providing high quality cancer care for patients from a number of different countries, particularly from across the Middle East, Africa and India. It is committed to delivering the highest standard of care and the most advanced treatments, with patients having rapid access to the latest diagnostic technologies and no waiting lists. The service covers all areas of cancer treatment and care including surgery, chemotherapy, haematology and radiotherapy.

Patients are able to choose their consultants from a highly experienced team and arrange appointment times to suit. A dedicated team of doctors and nurses tailor treatment to fit each patient’s needs with specialist equipment, facilities and accommodation to ensure first class care. In addition to high quality day care and outpatient facilities, there are state-of-the-art inpatient rooms. Facilities include high-tech media systems, where patients can also control the temperature and light in their room from their beds.

Consultants are supported by highly skilled nurses, with different areas of specialities within cancer treatment, including a dedicated matron who oversees nursing staff, clinical nurse specialists and palliative care nurses. Other professionals working in the teams include pharmacists, radiotherapists, dieticians, physiotherapists, speech and language therapists and counsellors. Through our partnership with HCA we are able to generate additional revenue which is reinvested into improving and developing The Christie NHS services.
service strategies and policies.

service leaders in developing
operational delivery. She has
commissioned specialised care,
experience in strategic planning,
the International Consultancy
has responsibility for developing

of decades he has most recently
developed the National Cancer
to cancer care, quality of care and
international committees relating
to cancer care. Quality of care and
standards of clinical practice. With a
prestigious career spanning a number
he has most recently
developed the National Cancer
strategies and policies.

The Christie team comprises many of the UK’s leaders in cancer service development. Our clients can be confident that the advice we provide is at the forefront of cancer care thinking.

Professor Chris Harrison
Professor Chris Harrison is the medical
director at The Christie. He has been
involved in numerous national and
international committees relating
to cancer care. Quality of care and
standards of clinical practice. With a
prestigious career spanning a number
de decades he has most recently
developed the National Cancer

Professor Nick Slevin,
MB ChB, FRCP, FRCR
International expert in the non-
surgical management of head
and neck cancer. He chairs the
national Clinical Reference Group
for Radiotherapy, advising the
government on all aspects of
radiotherapy provision. He is the
Senior Responsible Owner for the
Manchester Proton Beam Therapy
centre and has authored over
100 peer reviewed publications
on head and neck cancer.

Professor Peter Trainer
BSc MB ChB MD FRCP
FRCP(Edin)
Professor Trainer is an endocrinologist
at The Christie, which he combines
with being the Clinical Director of the
Manchester Academic Health Science
Centre (www.MAHSc.ac.uk) and
chairman of Bioscientifica. As chair
of the International Strategy board is
charged with developing international
partnerships with centres aspiring to
deliver world-class cancer treatment
and undertake cutting-edge oncology
research.

Dr Mark Saunders
MBBS MRCP FRCR PhD
Consultant in clinical oncology
As director of The Christie School
of Oncology, Professor Cowan was
an examiner in clinical oncology for
The Royal College of Radiologists
and continues to sit on a number
of national research committees. In
2012 he was appointed Manchester
Academic Health Science Professor of
Clinical Oncology at the University of
Manchester.

Jenny Scott
BSc, MSc, Dip HSM, MHSM
Deputy Director of Business
Development at The Christie and
has responsibility for developing
the International Consultancy
service. She has extensive
experience in strategic planning,
commissioning specialised care,
programme management and
operational delivery. She has
worked with national health
service leaders in developing
service strategies and policies.

Rob Duncombe
Director of pharmacy
A driving force in the optimisation
of the use of cancer medicines both
at the Christie and nationally.
Overseen initiatives to reduce
wastage of oral cancer medicines
delivering savings of over £300,000
per year. Played a pivotal role in the
introduction of national dose-bands
for chemotherapy in England which
will lead to improvements in safety
and cost savings.

Professor Sarah O’Dwyer
BSc MB ChB MD FRCS, FRCS
Leader in surgery for bowel
cancer and pseudomyxoma
peritonei, a very rare form of cancer.
Professor O’Dwyer is the clinical
director for The Christie Clinic. She
is Intercollegiate examiner in general
and colorectal surgery at the Royal
College of Surgeons and a member
of the Clinical Reference Group for
Specialised Colorectal Services at
NHS England.

Professor Juan Valle
MB, ChB, MSc, FRCP
Leader in the treatment of
hepatobiliary cancers (which include
the pancreas, bile ducts, gallbladder
and primary liver cancer) and rare
neuroendocrine tumours. Professor
Valle is the Chair of the National
Cancer Research Institute (NCRI)
neuroendocrine tumour sub-group.

Professor Richard Cowan
MB BS, MD, MRCP, FRCR
Consultant in clinical oncology
As director of The Christie School
of Oncology. Professor Cowan was
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The Royal College of Radiologists
and continues to sit on a number
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Academic Health Science Professor of
Clinical Oncology at the University of
Manchester.

Dr Cathy Heaven
Ph.D., M.Sc., B.Sc., Cert Ed.,
Adv. Dip. Counselling,
Cert Supervision
Associate Director of education
at The Christie School of Oncology.
Cathy has led in developing a
join Chair in Cancer Nursing for
The Christie and The University
of Manchester. Cathy has been
secretary to the British Psychological
Oncology Society (BPOS), was Chair
of the organising committee for the
inaugural meeting of the European
Federation of Psychosocial Oncology
Societies (EFPOS).

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2012 he was appointed Manchester
Academic Health Science Professor of
Clinical Oncology at the University of
Manchester.

Joanne Fitzpatrick
Executive Director of Finance
and Business Development
Joanne has been an Executive Director
The Christie since 2013 and is also a
director of the Christie Clinic and The
Christie Pathology Partnership. Joanne
was recognised as one of the top
Deputy Directors of Finance in the NHS
and successfully attained the HFMA
Deputy Director of Finance Award.
She is the executive lead for
The Christie International.
If you would like any further information on any of The Christie International’s consultancy packages please contact Sophie Kennedy, Head of International Business Development at international@christie.nhs.uk and a member of our International Team will respond to your request.

You may also wish to visit our website to view more detailed information in each of our specialist service areas: www.christie.nhs.uk

Sophie Kennedy
CGMA, ACMA, BSc
is the Head of International Business Development at The Christie. She is a chartered management accountant and holds many years’ experience in management within both the private sector and the National Health Service. Areas of expertise include strategy development, financial management, contract negotiation and monitoring, business planning, organisational change and project management.