

PHILIPS

Radiation Oncology

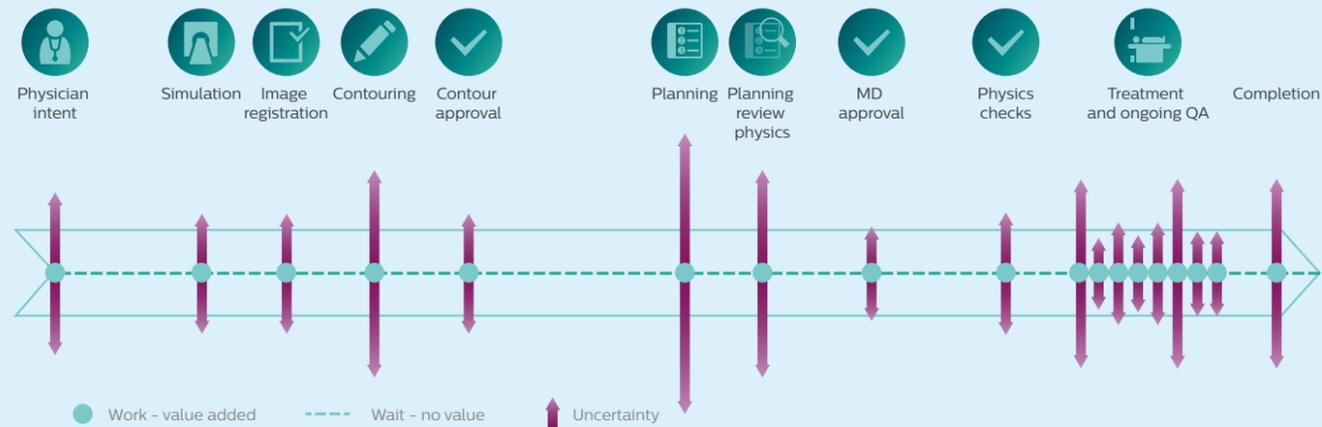


The **confident** path to treatment

Philips Radiation Oncology Solutions

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Radiation therapy workflow challenges

While an effective treatment for cancer patients, radiation therapy processes can be fragmented and highly variable. This can result in uncertainties that impact quality and throughput time.

“Radiation oncologists are being pulled in a million different directions. If you can discover ways to streamline their workflows, bring tools to them as opposed to them having to go to tools, make it easy for them to complete their work and facilitate that workflow, that’s one of the major areas of frustration, that’s a major pain point, it’s a major reason for inefficiency.”

Indrin Chetty, PhD
Professor and Head of Medical Physics,
Henry Ford Health System, Detroit, MI USA

Philips offers a proven portfolio of dedicated radiotherapy **solutions that span diagnostic imaging to treatment planning**. By integrating tools, systems, and software – we help you to improve patient care, accelerate time to treatment, and enhance patient satisfaction, while maximizing the value of your investment.

Together with Philips, you can make your workflow simple, fast, and precise from start to finish. And help you deliver consistent treatment results.



Solutions for tomorrow's challenges

When you collaborate with Philips, you are partnering with a leading provider of dedicated radiation oncology offerings that span imaging to treatment planning. That puts us in a unique position to provide integrated tools, systems, and software to:

- **Increase accuracy across imaging, planning, and treatment** through high precision solutions that work smoothly together.
- **Accelerate time to treatment** with connected workflows and intelligent automation.
- **Maximize value of your investment** with a pipeline of innovations and support that help you continue to grow and evolve.
- **Improve patient satisfaction** by creating a positive, engaging environment to benefit the quality of care.

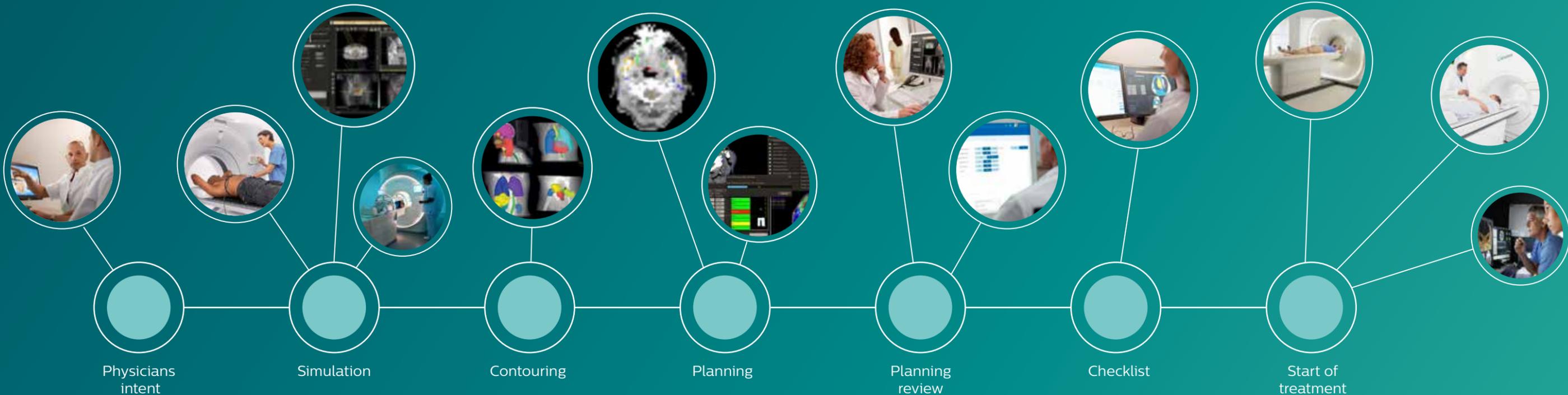
“IntelliSpace Radiation Oncology looks at the workflow process from consent to treatment to actually delivering the first fraction. The ultimate goal is to try to automate and streamline the process as much as you possibly can.”

- Doug Etheridge, Head of Clinical Technology, South West Wales Cancer Centre, Swansea, UK

Proven portfolio of Philips Radiation Oncology Solutions

Philips is uniquely positioned to simplify radiation therapy workflows and enhance consistency from image to plan.

- **IntelliSpace Radiation Oncology*** is a protocol-driven and customizable patient management solution designed to accelerate time from referral of the patient to the start of their treatment.
- An integral part of IntelliSpace Radiation Oncology, **Radiation Oncology Practice Management*** is a flexible suite of collaborative, tailored solutions that help radiotherapy departments identify and act on data-driven insights to achieve operational excellence.
- Designed for Radiation Oncology, the **Big Bore RT** advances critical clinical decisions.
- Leading in dedicated MRI solutions for radiotherapy, including the next generation wide-bore digital MR-RT systems **Ingenia Elition** and **Ambition** and **MR-only radiotherapy**.
- **Pinnacle Evolution** is focused on the quality, consistency and efficiency of personalized therapy plans.
- **Vereos Digital PET/CT** for screening and treatment response.
- **IQon Spectral CT** for oncology imaging – empowering you to improve your diagnostic certainty with spectral results 100% of the time, in a single, routine scan.



Increase accuracy across imaging, planning, and treatment.



Our solutions are designed to reduce uncertainties, improve accuracy, and enhance your ability to assess therapy response adapting the treatment plan if needed, helping you to confidently deliver consistent quality of care.

Big Bore RT is designed to provide precise treatment planning through enhanced accuracy in lesion identification, tissue density calculation, and segmentation. Exceptional image quality and the tools to manage and investigate are the foundation for confident decision-making.

Big Bore RT utilizes an 80kW generator and maintains image quality and Hounsfield Unit accuracy out to 60cm. The 70cm extended field of view boosts confidence in seeing the entire tumor. Through low-contrast resolution, lower dose/higher image quality, and virtually noise-free¹ images, iterative model reconstruction (IMR)¹ technology delivers visualization of fine detail and improved clinical accuracy in the detection and delineation of small, subtle structures.

4D CT with bellows and amplitude binning, include in the pulmonary tool kit for Oncology, helps improve accuracy in treatment planning and therapy delivery, even in irregular breathers.

To enhance accurate delineation of soft tissue, our **MR simulation platform** is designed for integration in the radiotherapy workflow. It acquires high-quality MR images in the treatment position with high geometric accuracy, helping you to better delineate soft tissue targets and organs at risk.

Pinnacle Evolution treatment planning system allows you to quickly perform re-planning and re-treatment planning with limited manual input. With **Radiation Oncology Practice Management** consultants you can standardize and optimize the Pinnacle treatment planning software. This empowers confident delivery of more accurate treatment plans and improves the consistency of the planning process.

¹ In clinical practice, the use of IMR may reduce CT patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task. Low-contrast detectability and noise were assessed using Reference Body Protocol comparing IMR to FBP; measured on 0.8 mm slices, tested on the MITA CT IQ Phantom (CCT183, The Phantom Laboratory), using human observers.

Solutions for diagnostic imaging, simulation, treatment response, and follow-up



Ingenia Ambition/Elition MR-RT is a comprehensive solution to smoothly integrate MR imaging in the RT workflow



IQon Spectral CT empowers you to improve your diagnostic certainty with spectral results 100% of the time, in a single, routine scan



Pinnacle Evolution with Tumor LOC integrates scanning and planning



Pinnacle Evolution Treatment Planning accelerates IMRT & VMAT planning

Accelerate time to treatment

Our solutions integrate workflows across imaging, planning, and treatment so you can standardize best practices and enhance patient care. Intelligent automation helps improve consistency and reduce time spent on labor-intensive tasks, accelerating time to treatment.

IntelliSpace Radiation Oncology* is designed to accelerate time from referral of the patient to the start of their treatment by managing complexity, improving efficiency and enabling operational excellence. Its intuitive dashboards, direct access to external applications and deep integration with hospital IT help you improve your daily workflows.

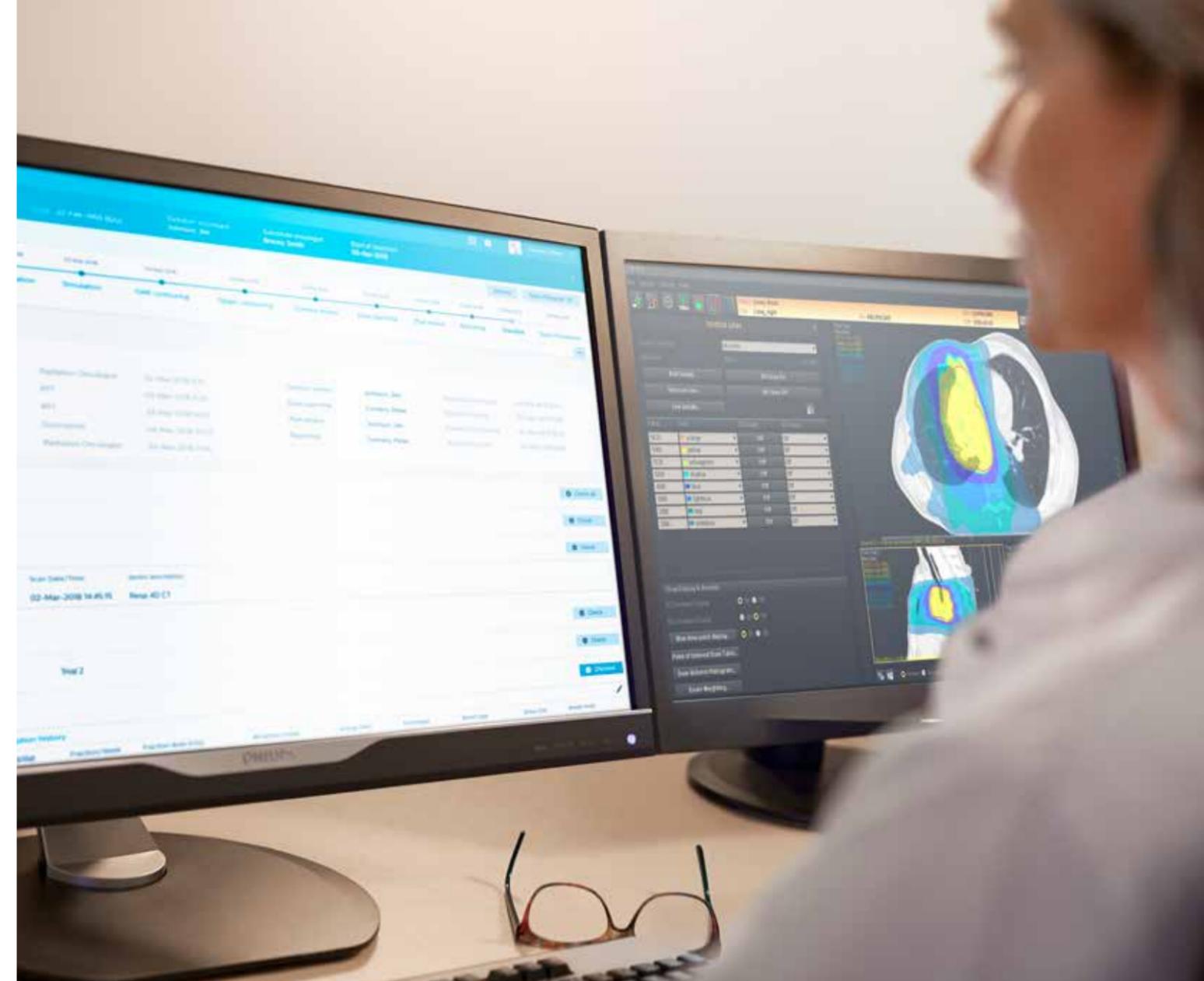
An integral part of IntelliSpace Radiation Oncology, **Radiation Oncology Practice Management*** is a flexible suite of collaborative, tailored solutions that help radiotherapy departments identify and act on data-driven insights to achieve operational excellence. With a combination of technology, analytics and on-site change management, Philips collaborates with you to address performance gaps, monitor progress, and drive sustainable change.

With **Big Bore RT** enjoy a personalized workflow for CT simulation imaging. iPatient, dedicated oncology ExamCards provide a standardized, patient centered approach to imaging simulation with consistency from scan-to-scan.

With reconstruction speeds of less than three minutes, for the majority of reference protocols, IMR improves image quality and advances 'autosegmentation'. Less manual intervention means fast contouring and short time to treatment.

Philips innovative **MR-only radiotherapy** lets you plan radiation therapy using MRI as a single-modality solution. Within <15 minutes, it provides excellent soft-tissue contrast for target and OAR delineation, and density information for dose calculations.

Pinnacle Evolution provides fast personalized therapy plans by integrating patient specific clinical goals into innovative automated optimization technologies and streamlining the user experience.



IntelliSpace Radiation Oncology* workflow – protocol driven and customizable



Physician's intent



Simulation



Contouring



Planning



Planning review



Checklist



Start of treatment



Maximize value of your investment



As technology in radiotherapy evolves, investments must meet the demands of today, while giving you the ability to take advantage of new developments. Philips is dedicated to helping you master today's investment challenges and enables you to seize tomorrow's opportunities. As a committed partner, we provide flexible upgrade and service options, consulting services and continuous education programs to allow you to maximize the value of your investments over the entire life cycle.

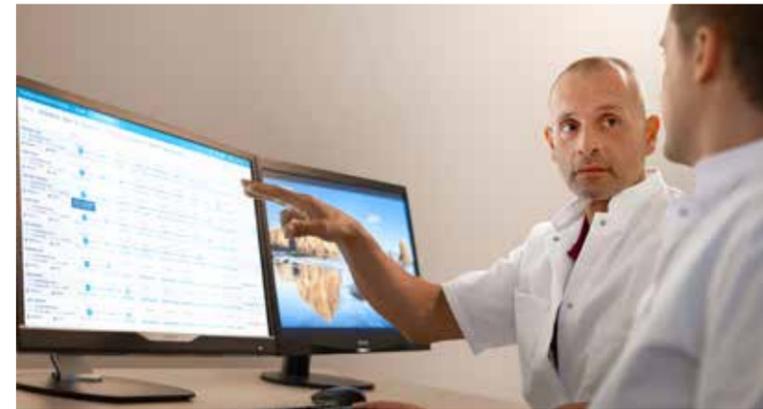
Master today's challenges

Philips offers tailored financing solutions and customized education support to help you establish a productive clinical practice quickly and efficiently. A broad range of upgrades and options allow you to evolve and grow your services to meet new developments and opportunities.

Optimizing clinical practice to advance patient-centric care

We support your clinical leadership by working alongside you to deliver consistent treatment results. Reduced variability and increased predictability at each step throughout the radiation oncology continuum enables you to invest focused time on personalized treatment options.

- **Throughput time can be reduced** by creating a standardized and harmonized workflow, optimized to your department
- **Patient/staff satisfaction can be increased** by automating and simplifying the workflow steps and achieving transparent communication
- **Adoption/utilization of resources can be optimized** based on analysis and implementation of best practice insights
- **Consistency can be maximized** through tailored ProtocolCards, planning process optimization and standardization



Seize tomorrow's opportunities

In the dynamic area of radiation therapy, you want to know you have a foundation for the future. Our products are designed with upgrades and options in mind and enables you to evolve and grow your clinical services.

Our visionary partnerships have produced industry-leading innovations that are revolutionizing cancer treatment across the globe. In a our technology partnership with Elekta we are pioneering the use of MRI during treatment.

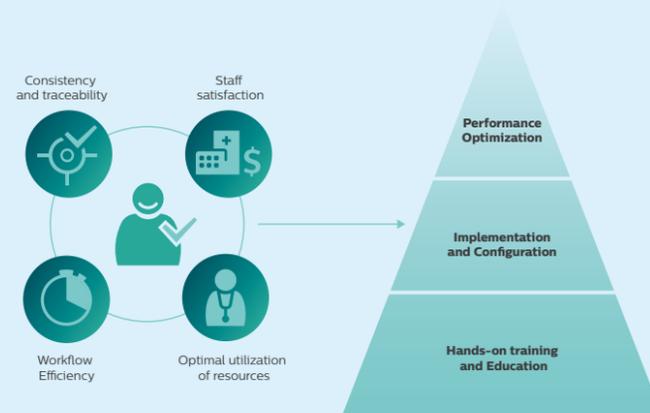
These and other strategic collaborations are fueling a pipeline of new breakthroughs that are set to redefine cancer care in the future.

Empower your teams to deliver

Specialists, dosimetrist and therapist, trained in your field lead courses and activities that support clinical excellence, instill confidence in the quality of exams, and enhance workflow and productivity.

Radiation Oncology Practice Management*

Radiation Oncology Practice Management is a partnership solution offering a **flexible suite of services, tools, and support** to help enable optimal use of resources for effective patient-centric care. We partner with you to discover actionable insights that result in more efficient workflows, increased patient/staff satisfaction, and a more personalized treatment for your patients.





Improve patient satisfaction

Radiotherapy treatment can be a burden for patients. The quality of the experience and patient satisfaction is becoming an increasingly important performance indicator for better care.

Our solutions are designed to improve satisfaction for patients and their families by reducing time to treatment and enhancing comfort. And they help enhance clinical staff satisfaction by simplifying workflows allowing teams to spend more time focused on patient care.

Philips Healthcare Transformation Services provides a framework for long-term healthcare change. By collaborating with healthcare professionals, we deliver end-to-end, patient-centric services and solutions across the continuum of cancer care.

“Working with Philips, we see the opportunity to go so much further with automation and streamlining our processes, it can improve the consistency of care using a protocol-driven workflow and enhance care quality by integrating applications we employ into the pathway seamlessly.”

- Dr Russell Banner, South West Wales Cancer Centre, Swansea, UK



We create **meaningful innovations** for you

We realize that your needs are focused around:

- Coordinating multi-disciplinary care delivery
- Optimizing clinical practice
- Managing financial and quality assurances initiatives
- Improving patient satisfaction
- Adopting new technologies

Offering holistic cancer care begins with the patient. It looks beyond their disease to understand what matters to them and everyone connected along their journey. With so many different technologies, challenges for cost-effective, people-focused oncology care have never been greater.

Together, with clinical expertise, rich data, and advanced analytical capabilities, we can create a new approach to cancer care, unlocking value based, patient centric solutions. Our advances in technology are helping us simplify operational and clinical processes and deliver more accurate results to improve patient care.

We invite you to join us on the confident path to the new world of radiation therapy.

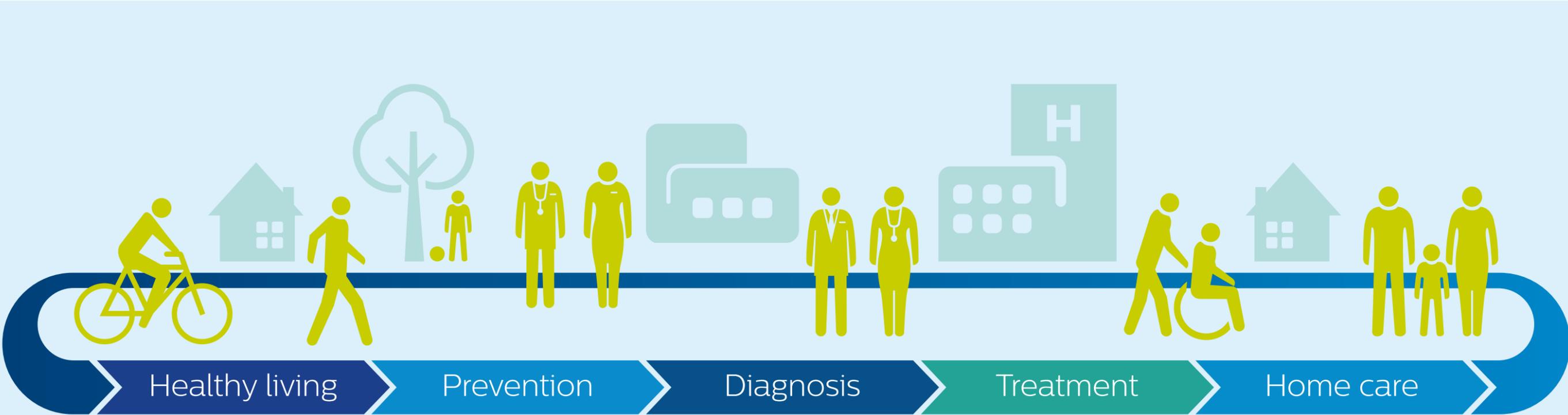


The South West Wales Cancer Centre reimagines complex radiotherapy workflows as one of the first sites to implement IntelliSpace Radiation Oncology* and Practice Management*.



Our vision in Oncology

Committed to supporting you in providing better cancer care, we are developing and delivering innovations that expand your reach in Oncology.



Improve population health outcomes and efficiency through integrated care, data analytics and value-added services.

Support people to live a healthy life in a healthy home environment.

Enable people to manage their own health.

Ensure confident diagnosis with personalized predictive care pathways.

Enable more effective therapies, faster recovery and better outcomes.

Support recovery and chronic care at home.

Philips Radiation Oncology Solutions

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Cancer incidence and related healthcare costs continue to grow. There is a big need to diagnose and treat patients in efficient settings. The key? You must combine using the best imaging and therapy capabilities, patient experience and lowest cost with the goal to improve patient care.

We help make this possible with tools and services for imaging, supporting fast decision making and enable targeted, patient-specific therapy. With Philips, the future of personalized oncology is within your reach.



Disease Management Solutions*

To meet the growing challenges of cancer care, our Disease Management Solutions empowers clinicians with powerful tools that can lead the way to more confident diagnosis and staging, treatment decisions, therapy planning and follow-up, and ultimately, provide a better way to address unmet needs in the ever-changing healthcare landscape.

Digital Pathology

Pathologists must seek more efficient means to support targeted, patient-specific therapy and accurate decision making. Philips IntelliSite Pathology Solution is the innovative solution to help your team to ultimately achieve outstanding results. It enhances diagnostic productivity with high-resolution digital images, collaboration features, and case management tools.

IntelliSpace Precision Medicine*

A comprehensive platform integrating information from Hospital Information Systems across different clinical domains such as radiology, pathology, and genomics, thus enabling a comprehensive view of patient information and pathway to facilitate cross-disciplinary collaboration & communication to aid in treatment decision.

The Genomics module automates molecular pathologists' workflow from loading the sequencing file through collaboration with oncologists and peers. The Dana-Farber powered module provides data-driven guidance to help the broader cancer care team more easily navigate the increasing complexities of cancer care diagnostics and treatment options yet personalize each patient's treatment based on their biological characteristics.

Efficient health reporting and monitoring strategies

Philips provides solutions designed to digitally capture and view outcomes across entire care pathways. These outcomes help evaluate the effectiveness of care provided, to meet the needs and treatment expectations of each patient and provide actionable data to providers.

Philips Questlink* features Flexible tools to address diverse outcomes collection needs such as PROMS and patient satisfaction and a features a large library of pre-built, validated survey instruments across diverse care specialties.

The confident path to treatment starts here

We invite you to join us on our journey to improve patient care, accelerate time to treatment, enhance patient satisfaction, and increase the value of healthcare technologies.

Contact your local Philips representative to learn more about how Philips Radiation Oncology Solutions can create a confident path to treatment for your radiation therapy services.



*Products listed may not be for sale in all markets.

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healthcare@philips.com

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