Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
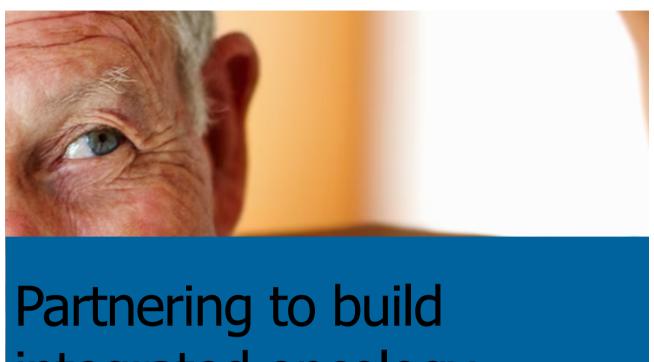Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48

Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
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Курган (3522)50-90-47
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
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Мурманск (8152)59-64-93
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Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73

Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
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Тверь (4822)63-31-35
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Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
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Россия +7(495)268-04-70   Киргизия +996(312)-96-26-47   Казахстан +7(7172)727-132

pih@nt-rt.ru || https://philipsmed.nt-rt.ru/

Partnering to build integrated oncology solutions

A comprehensive approach

Philips recognizes that oncology care requires integrated approaches across patient pathways. From diagnosis and staging, to treatment decision, to therapy planning and follow-up, Philips is addressing challenges in cancer care by providing solutions across the entire care delivery pathway.

Comprehensive management for lung cancer programs

We understand the need for a simplified, automatic tool to track lung cancer patients through their oncology journey. Philips Lung Cancer Orchestrator helps you identify and keep more patients – and streamline workflows. It makes managing lung cancer screening programs easier, providing the right information when you need it.

Bringing Radiology and Urology together like never before

Philips comprehensive prostate care solution extends the power of MRI beyond Radiology to help add clinical efficiency and enhanced collaboration across the care pathway. DynaCAD Prostate's advanced post-processing and automated PI-RADS® reporting provides the critical diagnostics information for a fusion targeted biopsy with UroNav using real-time ultrasound guidance.

Encompass the expertise of Dana-Farber Cancer Institute through Philips Oncology Pathways

Philips Oncology Pathways, powered by Dana-Farber Cancer Institute, delivers high-quality, evidence-based treatment paths and can serve as an important tool in improving care quality and reducing costs. Based on the captured patient information, the clinical user is able to navigate through the branches of the pathways to make clinical decisions and provide a treatment plan recommendation including clinical trials.

Empowering Pathologists with Digital & Computational Pathology

Philips Digital & Computational Pathology aims to reduce the pressure on pathologists by streamlining workflow, sharpening diagnostic processes, facilitating partnership, and enabling collaboration regardless of location. Enhancing the patient experience and supporting personalized treatment options, the Digital & Computational Pathology Solutions works to bring precision medicine to your clinical practice.

Philips Radiation Oncology Solutions: the confident path to treatment

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, enhance patient satisfaction, while maximizing the value of your investment.

Expand early detection of lung cancer

Because missing even one patient is too many

Let's close the gap

Lung cancer remains the leading cause of cancer-related deaths.[1] Early detection via screening and/or follow-up of incidental findings is critical because of the asymptomatic nature of lung cancer in its early stages. Without early detection, diagnosis and treatment are often late stage, resulting in much poorer outcomes.[2] Making sure every patient that is identified with an incidental finding is followed up and making sure eligible patients are being screened are two ways that the gap can be closed today.

Changes in Lung cancer screening guidelines and the newly expanded coverage by the Centers for Medicare and Medicaid Services have nearly doubled the number of people eligible for lung cancer screening, with the largest eligibility increases seen in minority populations, who've been shown to have a higher risk for lung cancer at younger ages.[2] Without a systematic approach in place, manually managing such programs can be prohibitively time- and resource-intensive. Apart from screening, only 29% of incidental lung nodules receive appropriate follow-up.[3]

Philips can partner with you to support your program for early detection of lung cancer. Addressing these areas can help close gaps of inequities and find more lung cancer in early stages. We can help assess where you are today and build an approach to help expand the efficacy and reach of your screening program, as well as improve both the identification and follow-up of patients with incidental nodule findings.

Did you know?

87% of eligible Medicare and Medicaid patients are not screened for lung cancer, despite having insurance coverage[4].

Approximately 71% of all incidental lung nodules are not followed and managed appropriately[3].

25%

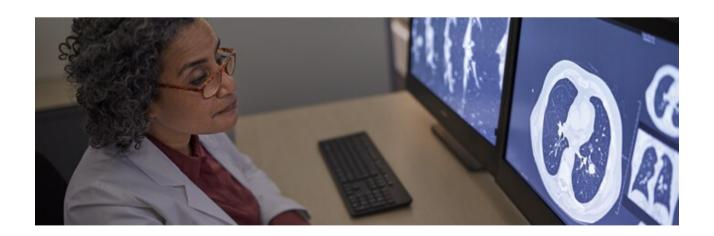Actionable incidental lung nodules show a malignancy rate of 25%[5].

92%

When diagnosed early and resected immediately, a lung cancer patient's chance of survival in 10 years jumps to 92%[6].

33% 24%

CT screening reduces 10-year lung cancer mortality by 33% for women and 24% for men, compared to no screening[7].

20%

Lung cancer screening remains vastly underused to date, with less than 20% of the high-risk, eligible population undergoing lung cancer screening. Low rates of lung cancer screening are even more noticeable among underserved populations[8].

How big is this impact?

The American College of Radiology has stated that screening for lung cancer with low-dose CT could save more lives than any cancer screening test in history.[10] Organizations with effective screening and follow-up programs are now in a position to help many more patients in their communities than ever before. In addition to screening programs, Time to treatment matters. Delays in initiating treatment are associated with up to 3% increased mortality for each week that treatment is delayed.[11]

Orchestrating an effective early detection program for lung cancer

Philips can help by providing solutions to manage lung screenings and workflows for incidental pulmonary findings while fostering collaborative treatment decision-making. This means reliably keeping track of patients, including finding and following up with those who have incidental nodules.

Keep patients engaged with an immersive experience for patient comfort and ease during the scan. Excellence in CT imaging and in visualization and reporting of results adds to the success of your program.

Lung Cancer Orchestrator

An integrated lung cancer patient management system

The Philips Lung Cancer Orchestrator is an integrated lung cancer patient management system for both CT lung screening programs and incidental pulmonary findings programs that monitors patients through various steps of their lung cancer screening and treatment decision journey. Enhancing confidence with automated tools, the Lung Cancer Orchestrator helps identify and keep more patients – and streamline workflows. Providing a complete solution, the system also comes equipped with the Multidisciplinary Team Orchestrator to help facilitate collaborative clinical decision making.

Features

Lung Cancer Screening Manager

The Lung Cancer Screening Manager utilizes a defined and proven set of steps to ensure the proper follow-up of screening examinations and diagnostic testing is completed on time. Results are then communicated to the participant, their primary care physician, and can be uploaded and documented in the Electronic Medical Record (EMR).

Seamless integration

As lung cancer screening patients are progressing through their annual screenings and diagnostic follow-ups, the system captures required and optional data elements. Required data can be seamlessly uploaded to the American College of Radiology (ACR) and the Lung Cancer Screening Registry (LCSR). With Integration into the EMR, data population within the Lung Cancer Screening Manager is fast and efficient, helping to reduce administrative tasks, and allowing more time for patient care.

Incidental Nodule Manager

Philips Incidental Nodule Manager helps identify suspicious pulmonary findings in patients that might otherwise be overlooked. It uses Natural Language Processing to mine radiology reports for the relevant keywords to trigger referral for follow up, management and treatment. Using multiple methods for analysis and checking, Philips aims to help ensure patients are not lost to follow up.

Automated patient management tools

The system has the ability to enroll patients in a management protocol with automated notifications, reminders and status updates. Users can monitor and manage patient status using convenient and secure web-based tools.

Collaborative lung tumor boards

The Oncology Tumor Board Collaborator securely integrates clinical patient information together from disparate sources – including EMRs, lab systems, pathology, radiology and genomics. The result is one dashboard for users to view entire patient profiles at once. Integrating lung cancer screening management and incidental pulmonary findings programs, Tumor Board Collaborator automates routine administrative and instructive tasks based on your established workflow protocols.

Robust tumor board features

With a rich dashboard, the Tumor Board application can help clinicians navigate through their patient's history and provide quick access to relevant reports and radiology and pathology images. Its cloud-based implementation allows for multiple users to view pertinent data at the same time, and to access information wherever needed. Giving multidisciplinary teams the tools to schedule, prepare, and manage tumor board reviews, the Oncology Tumor Board Collaborator helps facilitate and streamline clinical decision making.
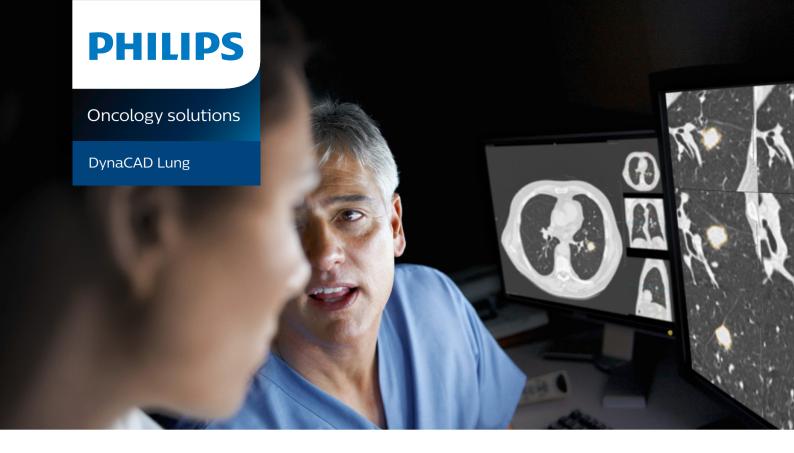
Specifications

Browser

Internet Explorer	Internet Explorer 11.0

Hardware requirements

Processor	Dual Xeon 4 (or higher)
Processor Speed	3GHz processor
RAID Memory Cache	RAID 1
RAM	16 GB
Disk Array	500GB hard disk [15K RPM hard disk (x2)]
Power Supply	Dual
Operating System	64bit Hardware/64bit
Monitor	Display: 1024 x 768 Super VGA and with Video Card
LAN	1 Gbps
Keyboard	English Only

Software requirements

Windows Server	2016 (64 bit) (recommended), Windows Server 2012 R2 (64 bit)
.NET Framework	4.7.2 and above
Rhapsody	6.4.1
Supported databases, either local or remote	MS SQL 2012 - 64 bit – SP4 MS SQL 2014 - 64 bit – SP3 MS SQL Server 2016 – SP2 (recommended)
IIS (required for DECG Solution feature otherwise optional)	For Windows Server 2016 use IIS 10.0 For Windows Server 2012 R2 use IIS 8.0
PowerShell	4.0 and above

Elevate confidence and productivity
with advanced visualization

At Philips, we understand the need for simplified, automated tools to help streamline workflows. DynaCAD Lung from Philips is a vendor-neutral, medical imaging software system that provides fast, efficient viewing as well as quantification, manipulation, communication and reporting of multi-slice CT exams of the chest.

With flexible report templates and automated image registration, DynaCAD Lung helps facilitate synchronous display and navigation of multiple patient exams for initial review and easy follow-up comparison of current and prior study findings – **helping to reduce manual tasks so you can make the best use of your time.**

Multi-slice CT (MSCT) is a useful tool in finding suspicious lesions earlier, but as the number of images per study continue to increase, the diligence required in finding small lung nodules among hundreds of CT image slices has become a growing challenge. Oversight of actionable lung nodules on CT images is always a risk, however, new, innovative tools are available to help manage this risk and improve your overall radiology workflow efficiency.
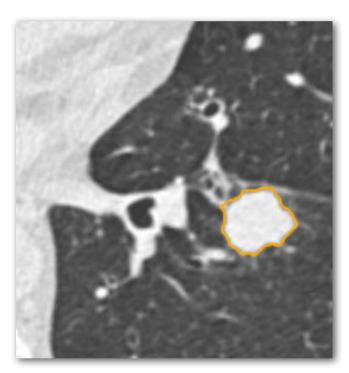
Helping to optimize workflow for fast,
efficient review and reporting of CT lung exams

DynaCAD Lung offers a robust set of automated tools for retrieval and registration of prior exams along with synchronous viewing and analysis of current/prior findings. Its dual monitor display allows users to interpret and track findings in parallel with comparison views and statistics.

Its computer-aided detection (CAD) serves as a "second pair of eyes" for finding actionable lung nodules based on size, shape, density and anatomical context.

The software includes automated classifications following the American College of Radiology (ACR) Lung Imaging Data and Reporting System (Lung-RADS) and automatically integrates into the Lung Cancer Orchestrator.

Additionally, the radiologist or end user has the option to manually merge patient information with disparate MRN's, name changes, or differing demographic data via the thin client software, simplifying current and prior comparisons and allowing users greater control over data entry.

Automated segmentation of pulmonary nodules.

Advanced lung nodule tracking for informed clinical decision making

Tracking lung nodule growth is a crucial component of providing the best clinical decision making possible. The DynaCAD Lung temporal comparison feature displays a nodule/lesion over time and in all three planes.

This automated feature, based on elastic 3D image registration, helps determine nodule status and provide a doubling time based off the change in volume or mass over time.

The system displays nodule status, type, diameter, LungRADS classification, and lobe location in an easy to review format.

PowerScribe integration[1]

Nodule information can be transmitted with Advanced Data Integration to PowerScribe by Nuance[1] to directly transmit data via merge fields. PowerScribe also supports customized reports.
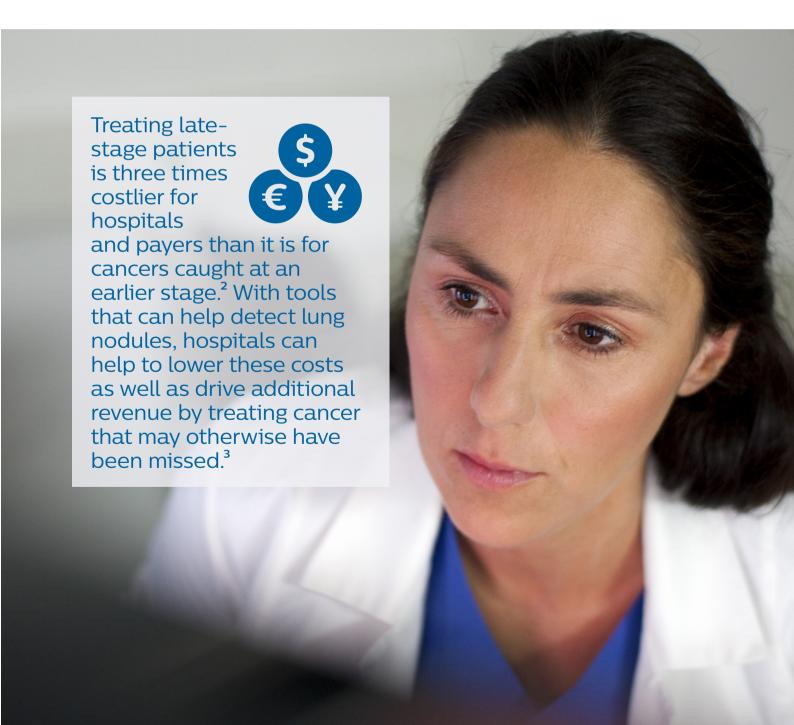
Present findings with
data rich chest summary reports

DynaCAD Lung creates a Chest Summary Report complete with current and prior comparisons, volumetric data, doubling times, and LungRADS scores. The report is automatically archived on the PACS server and can be sent to the Lung Cancer Orchestrator* for continued tracking of the patient and storing of data elements. Lung Cancer Orchestrator* can then share the results with the patient and the primary care physician via system generated findings letters, while also alerting the Navigator when specific follow-ups are due.

DynaCAD Lung reports capture structural characteristics of lung nodules and Lung-RADS score and provides LungRADS-based recommended follow-up actions. Clinicians have the option to capture additional study characteristics as well.

Treating late-stage patients is three times costlier for hospitals and payers than it is for cancers caught at an earlier stage.[2] With tools that can help detect lung nodules, hospitals can help to lower these costs as well as drive additional revenue by treating cancer that may otherwise have been missed.[3]

Paving the way to a lung
cancer screening program

To coordinate and manage an effective lung cancer screening program, you have to simultaneously handle a wide variety of tasks on a daily basis. Determining who is eligible, notifying and scheduling follow-ups, and reporting program status can be labor intensive – and potentially risky if details are overlooked. Manually managing these activities using several, standalone tools increases errors and makes demonstrating program quality and effectiveness a challenge.

DynaCAD Lung provides integration into the Philips Lung Cancer Orchestrator*, a proactive patient management system for lung cancer programs that monitors patients through various steps of their lung cancer screening and treatment decision journey. It uses a defined set of steps to ensure you complete proper follow-up of screening examinations and diagnostic testing on time. Then, results are communicated to the participant, their primary care physician, and can be uploaded and documented in the Electronic Medical Record (EMR).

Providing a complete solution, the system also comes equipped with the Multidisciplinary Team Orchestrator to help facilitate the clinical treatment decision process.
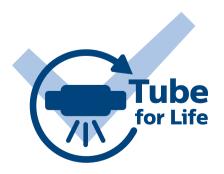
CT screening reduces ten year lung cancer mortality by **24% for men** and **33% for women**, compared to no screening.[4]

PHILIPS

Computed tomography

Incisive CT

The offer of a lifetime
Inside the industry–first Tube for Life guarantee*

Philips Incisive CT

Tube
for Life

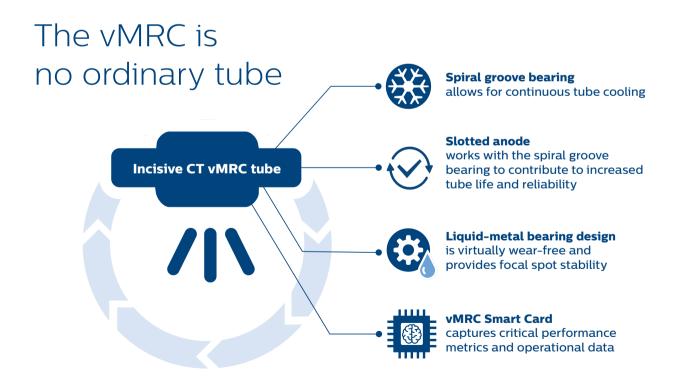# You might expect months.
We offer a lifetime.

Reliability is key to any successful CT operation. What if tube life worries were a thing of the past? Now they are. Incisive CT has an unprecedented Tube for Life guarantee.*

Tube for Life guarantee*

Incisive CT features the advanced vMRC tube. We believe so strongly in the reliability of the vMRC CT tube that we'll replace it if necessary over the entire life of the system* at no cost to you, helping you keep control of operational costs.

The vMRC is no ordinary tube

Incisive CT vMRC tube

Spiral groove bearing
allows for continuous tube cooling

Slotted anode
works with the spiral groove bearing to contribute to increased tube life and reliability

Liquid-metal bearing design
is virtually wear-free and provides focal spot stability

vMRC Smart Card
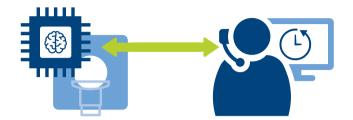captures critical performance metrics and operational data

Your peak performance? We're with you 24/7.

What if you could capture critical performance metrics and operational data from your site to optimize performance? That's what the vMRC Smart Card does.

The vMRC Smart Card connects to remote 24/7 monitoring and maintenance

Proactive steps to optimize tube life
The Smart Card provides valuable data so that remote 24/7 monitoring can help you keep your system operating at its best. Our global expertise and local service can alert you to any negative trends so that challenges can be anticipated and solved before they affect day-to-day operations.

Born of precision

There from the start
Philips has been perfecting X-ray tubes for more than 100 years, and we've put everything we know into the vMRC tube.

Stands the test of time
More than 100,000 MRC tubes have been installed worldwide, each one rigorously tested using multipliers of stress to assure reliability and arcing stability.
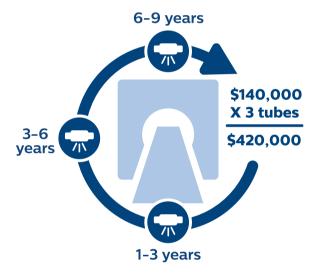
German excellence
The vMRC tube is made and tested at the Philips Innovation and Manufacturing Center of Excellence in Hamburg, Germany.
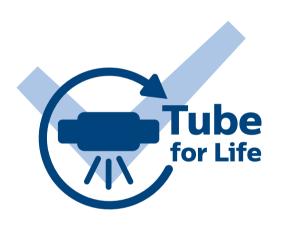
Tube for Life guarantee*

CT tube replacement costs can quickly add up. What if you no longer had to worry about tube cost in your day-to-day operating budget? Incisive CT is leading the way. It features a vMRC tube so reliable that it allows us to offer unprecedented approaches such as the revolutionary Tube for Life guarantee, which can help you **lower operating costs by an estimated $420,000.****

Possible cost of replacement tubes for your system = $420,000

6–9 years

$140,000
X 3 tubes

$420,000

3–6 years

1–3 years

With Tube for Life replacement tube cost = $0

Tube
for Life

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* Life of the product is defined by Philips as 10 years. Tube for Life guarantee availability varies by country. Please contact your local Philips sales representative for details.

**Actual operating costs for customers vary significantly because many variables exist (such as CT make and model, hospital or imaging center size, case mix, system usage). The potential savings identified estimates the avoidance of purchasing replacement tubes over a ten-year useful life of a CT system, based on an average selling price of $140,000 per replacement tube and estimated tube life of three years. There can be no guarantee that all customers will achieve this result.

Intellect
at every step

Incisive thinking
from the start

At Philips we believe in working together to break down boundaries, remove complexity and deliver a seamless approach to healthcare. In imaging, that means seamlessly connecting data, technology and people. Our integrated imaging solutions for diagnosis and treatment are enabling more connected care and more confident clinical decision–making. Because today, health knows no bounds and neither should healthcare.

Connecting data and technology to empower the people behind the image

Imaging is all about providing accurate information to guide better patient care. But in order to create more value for patients, the elements that form the imaging enterprise have to work together better.

We see imaging as an integrated system in which data and technology must connect intuitively and automatically

to empower the people who rely on them. By focusing on the specific needs of the people behind the image, we can address the most pressing needs of imaging today: to simplify data and insight gathering for clinicians; create a better experience for patients and staff; lower costs for administrators and health systems; and above all, achieve better treatment and outcomes for patients.

A systems view

Creating a seamless care environment requires meeting the needs of the people behind the image – patients, technologists, radiologists and administrators – with meaningful solutions to address their biggest challenges.

Scheduling & prep | Image acquisition | Data interpretation | Reporting | Therapy & treatment | Outcomes & follow-up

Industry firsts keep you ahead

Incisive CT features industry firsts such as the Tube for Life guarantee* and Philips CT Smart Workflow with AI** that's deeply embedded into tools you'll use every day for speed, consistency and diagnostic confidence.

Tube for Life

Smart decisions every step of the way

Elevates your business

Reduce operational costs and meet financial objectives.

- Tube for Life guarantee* to lower total cost of ownership
- Stay up-to-date with Technology Maximizer
- Expansive in-room upgradeability

Delivers intelligence that adapts to you

Use AI to speed workflow and aid diagnostic confidence.

- Do more from the scanner with OnPlan patient-side gantry controls
- CT Smart Workflow improves the experience from the start of the scan through reconstruction and review, and includes
  - Precise Image
  - Precise Position
  - Precise Cardiac
  - Precise Intervention
- IntelliSpace Portal offers a rich portfolio of applications for advanced visualization

Brings predictablity to an unpredictable world

Reduce downtime and improve efficiency and care.

- Remote Services with proactive monitoring including vMRC Smart Card to keep you up and running
- Philips PerformanceBridge for continuous improvement solutions
- Philips DoseWise Portal provides a holistic approach to dose management

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* Life of the product is defined by Philips as 10 years. Tube for Life guarantee availability varies by country. Please contact your local Philips sales representative for details.
** According to the definition of AI from the EU High-Level Expert Group.

Elevate your business

The costs that keep you up at night

Think about no longer having to worry about tube cost in your day-to-day operating budget, and also knowing that your CT system always has up-to-date technology and that you can upgrade your system as needed.

We're bringing new ways to help you stay competitive in your market, managing operational costs while you work to optimize patient care.
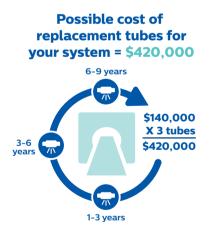
Tube for Life guarantee*
Unprecedented approaches to help lower operating costs by an estimated $420,000.**

We believe so strongly in the reliability of the vMRC tube that we'll replace it, if necessary, over the entire life of the system* at no cost to you, helping you keep control of operational costs.

German excellence that stands the test of time
The vMRC tube is made and rigorously tested at the Philips Innovation and Manufacturing Center of Excellence in Hamburg, Germany.

Possible cost of replacement tubes for your system = $420,000

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X 3 tubes
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Tube for Life

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Maximize your investment with Philips Technology Maximizer

Keeping technology up to date can be difficult. Let us help boost the clinical capability and operational performance over the life of your Incisive CT system with Philips Technology Maximizer.

Benefits

Predictable budget	Predictable costs that keep your system up to date
Stay competitive	Automatically access innovation upon release instead of buying each new enhancement separately
Non-obsolescence	Stay protected from obsolescence and be first to market with innovations
Capex to Opex	Avoid repeated capital investments and approvals over the life of your system

Stay competitive

Technology Maximizer is a software and hardware refresh program that keeps your CT equipment like new for up to five years after installation. Technology Maximizer for CT is an optional service offered in tandem with our RightFit Customer Support Agreement*.

Tailored financing solutions in line with your cash flow needs, budgets, and business strategy
Providing access to best-in-class healthcare is a leading priority for facilities like yours around the globe. At the same time, financial security and protecting your assets over time are also high on the agenda. To manage your financial challenges, you need to know whether your healthcare investments are sustainable – and how to get the most from your equipment. Financing your Incisive CT Scanner helps you exchange variability and unpredictability for visibility and certainty. This helps you avoid the burden and risk of upfront expenditures and benefit from transparent, predictable cost structures. As a result, you can manage and plan budgets more efficiently and free up capital that would otherwise be tied up in fixed assets.

*Technology Maximizer is available with eligible RightFit Service Agreements.

Delivers intelligence that adapts to you

How do you consistently maximize your CT capabilities?

What if a CT solution allowed for smart clinical decisions at every point, allowing you to do more from the patient's side with faster time to results and greater consistency among users?

We're bringing new ways to help you stay competitive in your market, managing operational costs while you work to optimize patient care.

84% of users agree that patient-side gantry controls have improved patient satisfaction[1]

OnPlan patient-side gantry controls
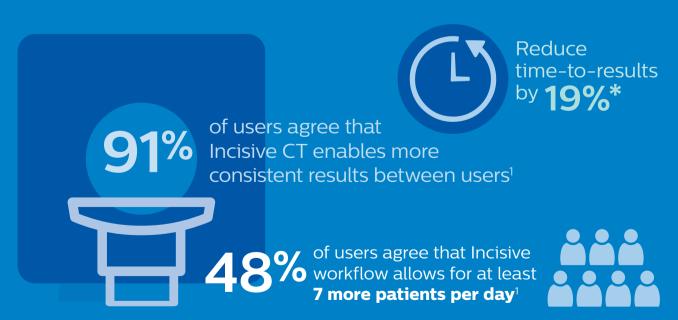
Advanced and easy-to-use tools for positioning and protocol selection are designed so that the majority of tasks needed to set up and end the scan can be completed right at the patient's side. The technologist can stay close the patient, providing a calming influence and improving the patient experience.

Two OnPlan gantry touch panels allow you to do more at the patient's side.
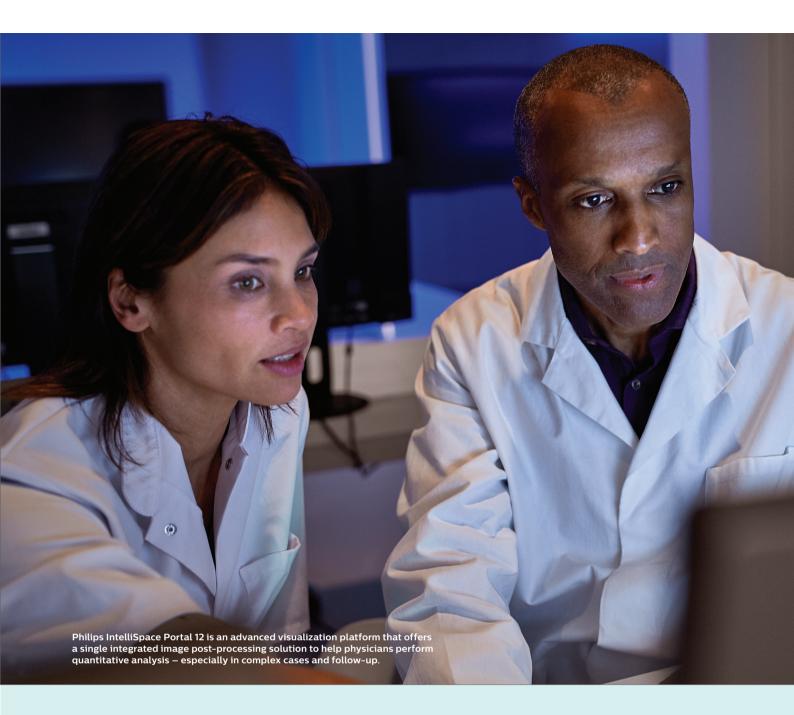
Easily move the couch by touching the panel screen and swiping in the direction of desired movement.

Reduce time-to-results by **19%***

91% of users agree that Incisive CT enables more consistent results between users[1]

48% of users agree that Incisive workflow allows for at least **7 more patients per day**[1]

* Based on a study performed at Oz Radiology Group, Queensland, Australia.
Results from case studies are not predictive of results in other cases. Results in other cases may vary.

Philips IntelliSpace Portal 12 is an advanced visualization platform that offers a single integrated image post-processing solution to help physicians perform quantitative analysis — especially in complex cases and follow-up.

All of your advanced analysis needs in one comprehensive solution with IntelliSpace Portal 12

Intelligent
First-time right clinical insights designed to support your diagnostic confidence

Automated
Reduce time to report through optimized workflows and results automation

Connected
Scalable AV platform seamlessly integrated within your enterprise
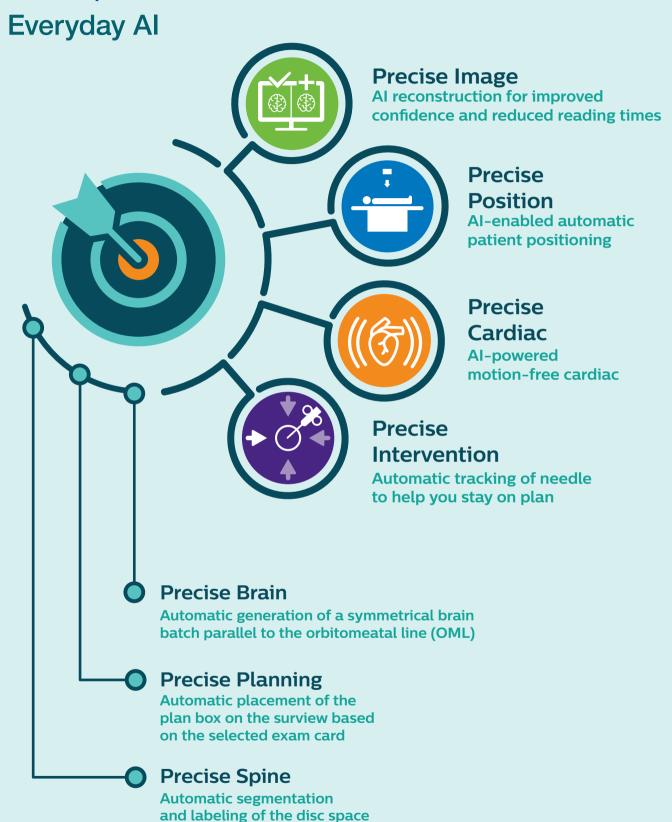
Precision every day

This is how the day you've planned becomes the day that happens. CT Smart Workflow includes AI that's deeply embedded into the tools you use every day so that you can apply your expertise to the patient, not the process.

Remove common obstacles to CT performance, clearing the way for the precision in dose, speed and image quality that helps set you apart. CT Smart Workflow improves the experience from the start of the exam through reconstruction and review.

Philips CT Smart Workflow
Everyday AI

Precise Image
AI reconstruction for improved confidence and reduced reading times

Precise Position
AI-enabled automatic patient positioning

Precise Cardiac
AI-powered motion-free cardiac

Precise Intervention
Automatic tracking of needle to help you stay on plan

Precise Brain
Automatic generation of a symmetrical brain batch parallel to the orbitomeatal line (OML)

Precise Planning
Automatic placement of the plan box on the surview based on the selected exam card

Precise Spine
Automatic segmentation and labeling of the disc space

Precise Image

Precise Image puts the power of a deep learning neural network to work for you for improved confidence and reduced reading time.
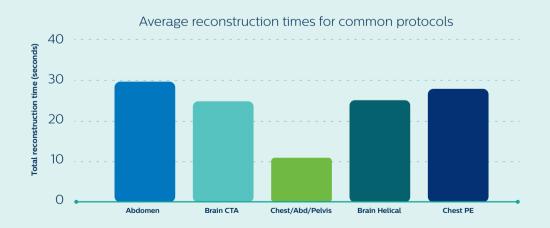
Speed, and so much more

Precise Image features the industry's fastest AI reconstruction, in addition to dramatic reductions in dose and image noise, and a significant increase in low–contrast detectability.

Simultaneously*

Up to
80%
lower radiation dose

Up to
60%
improved low–contrast detectability

Up to
85%
lower noise

Average reconstruction times for common protocols

Total reconstruction time (seconds)

Abdomen	Brain CTA	Chest/Abd/Pelvis	Brain Helical	Chest PE
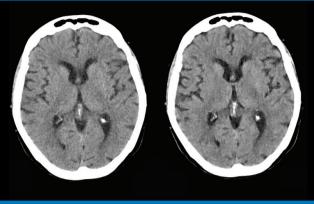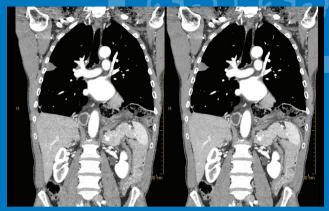
*Lower image noise, improved low–contrast detectability, and/or dose reduction were tested using reference body protocols. All metrics were tested on phantoms. Low–contrast detectability tests were performed using 1.0 mm slices, and tested on the MITA CT IQ Phantom (CCT183, The Phantom Laboratory), using an auto tool "CHO" (Channelized Hotelling Observer). Data on file.

Precise Image
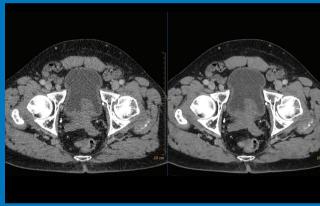
iDose^4 1.4 mSv   Precise Image 0.7 mSv

iDose^4 8.5 mSv   Precise Image 4.3 mSv

iDose^4 7.4 mSv   Precise Image 3.7 mSv
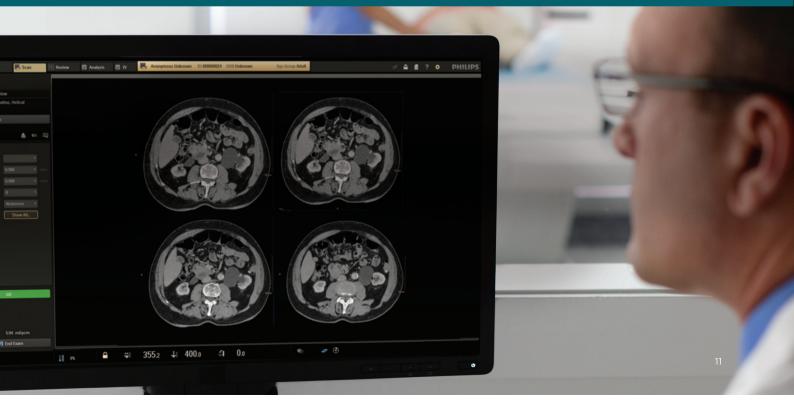
iDose^4 5.1 mSv   Precise Image 2.6 mSv

Precise Image improves diagnostic confidence to reduce reading time.

Automatic patient positioning
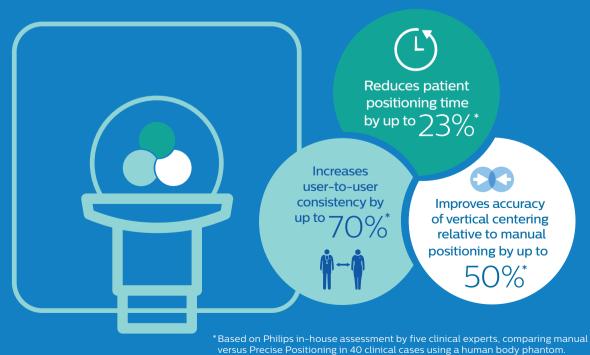
Inaccurate patient positioning is a common and documented challenge in CT imaging, which can lead to unwanted consequences such as increased patient dose and image noise.[2]

Precise Position

An AI-enabled camera supports automatic patient positioning for significantly increased positioning accuracy and user-to-user consistency in a fraction of the time.

Camera-based workflow supports automatic positioning for a wide range of clinical scan types.

Precise Position allows for single-click positioning so that staff can focus on the patient.

Reduces patient positioning time by up to 23%*

Increases user-to-user consistency by up to 70%*

Improves accuracy of vertical centering relative to manual positioning by up to 50%*

*Based on Philips in-house assessment by five clinical experts, comparing manual versus Precise Positioning in 40 clinical cases using a human body phantom.

Precise Cardiac

Motion-free cardiac

Philips has always helped you overcome challenges in cardiac imaging with advances such as low-dose Step & Shoot Cardiac, with its beat-to-beat algorithm and multi-cycle adaptive reconstruction.

Now you can further enhance confidence in scanning patients with higher heart rates by adding Precise Cardiac. Used prospectively or retrospectively, Precise Cardiac corrects for motion in cardiac images to improve image quality at high heart rates.
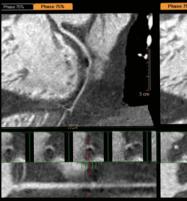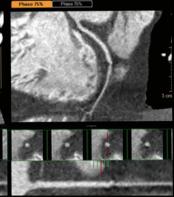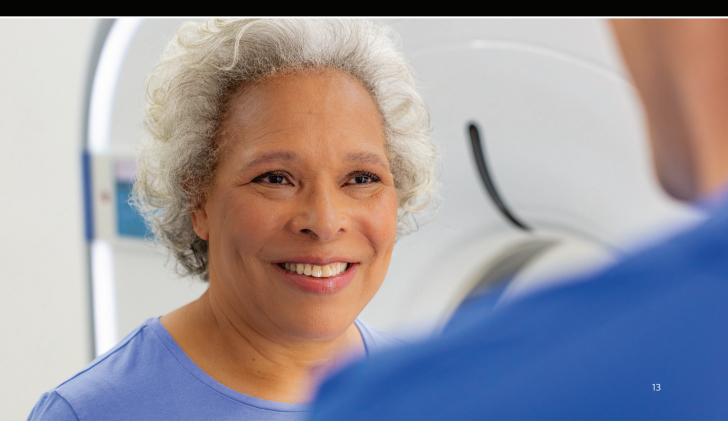

| Without Precise Cadiac | With Precise Cardiac | Without Precise Cadiac | With Precise Cardiac |

Automatic needle tracking

Precise Intervention

With long procedure times, CT-guided procedures can present a challenge to the workflow of a radiology department, posing greater complexity than routine diagnostic imaging.

With Precise Intervention, needle guidance enhances workflow for confident interventional CT procedures. Automatically calculate depth, angle, tip-to-target and deviation from plan, enhancing the speed and efficiency necessary for quick and confident interventional procedures.
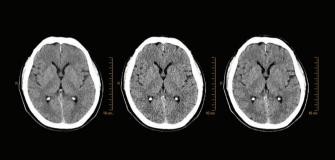
In addition to Precise Intervention, OnPlan gantry controls provide workflow flexibility to the interventional radiologist.
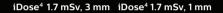
OnPlan allows the radiologist to perform the procedure using gantry controls in addition to the interventional toolkit.

Expand
your clinical breadth
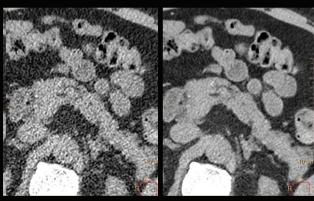
iDose^4 1.7 mSv, 3 mm   iDose^4 1.7 mSv, 1 mm   Precise Image
0.8 mSv, 1 mm

iDose^4 5.4 mSv   Precise Image 2.6 mSv

iDose^4 6.6 mSv   Precise Image 3.3 mSv

Precise Image   CTA volume rendering
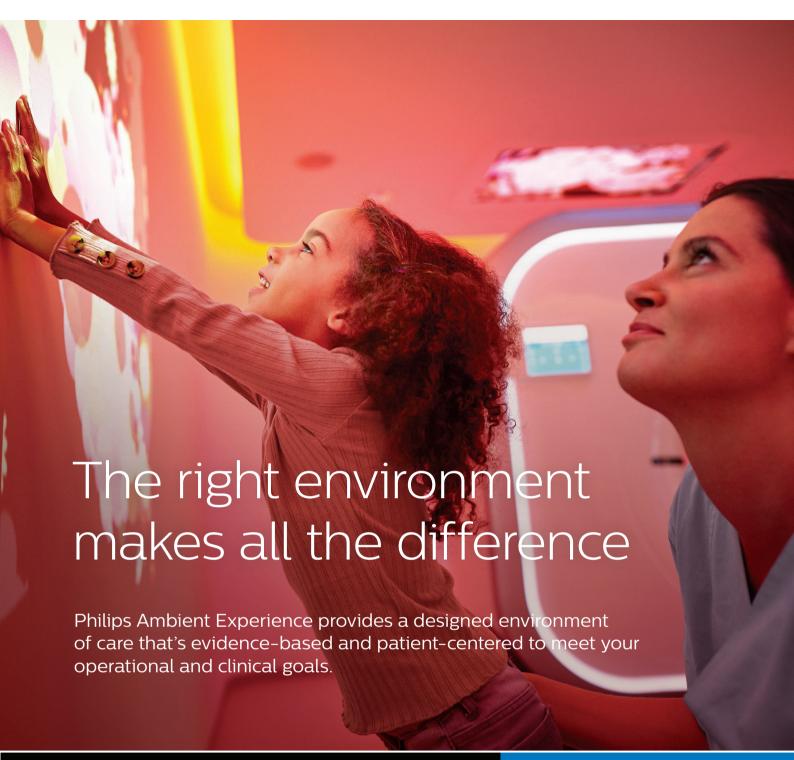

iDose^4 6.4 mSv   Precise Image 3.3 mSv

iDose^4 1.5 mSv   Precise Image 0.75 mSv

The right environment makes all the difference

Philips Ambient Experience provides a designed environment of care that's evidence-based and patient-centered to meet your operational and clinical goals.

Incisive CT accommodates patients of any size, from pediatric to bariatric.

Confidence at low dose

The 70 kV scan mode allows for improved low-contrast detectability and confidence at low dose.

A busy hospital is full of surprises

Financial challenges. Governmental mandates. Personnel shortages. Healthcare systems are facing challenges like never before.

In the radiology department, patient care depends on system uptime. Our global expertise and local service can alert you to any negative trends so that many challenges can be anticipated and solved before they affect day-to-day operations. Minimize unplanned downtime through sensors that continuously monitor internal and external operating parameters, helping you plan for maintenance.

Remote Services resolves **35% of issues** without the need for on-site service, improving system uptime and enabling a **first-time fix rate of 73%** when on-site service is needed.*

Reassuring predictability

Complex systems operating in complex environments require remote services with proactive monitoring to allow many issues to be resolved remotely and a high first-time fix rate when an on-site visit is needed.

Proactive monitoring is the first step

We're able to achieve a high first-time fix rate because we do all we can to prepare our service technicians with your system's performance data so that they have the right information, tools and parts before they walk through your door.

vMRC Smart Card

This provides valuable data to aid remote 24/7 monitoring in keeping your system operating at its best.

*Data collected across Philips portfolio scanners using Remote Services.
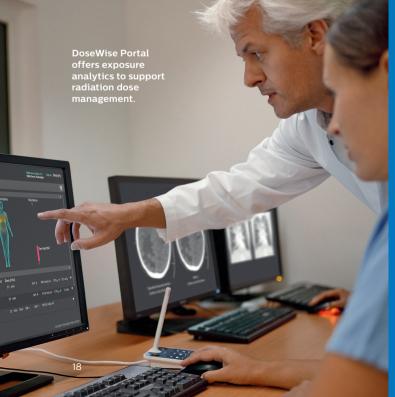
Doing more for your operational goals

Incisive CT is designed to be easy to own, from installation that can be done in just a weekend for minimal impact to your department's efficiency, to analytics and other services that can help drive intelligent decision-making.

PerformanceBridge for continuous improvement

Addressing your performance objectives and challenges is the cornerstone of PerformanceBridge, a flexible suite of continuous improvement solutions targeted to identify your opportunities for greater efficiency and results. We do this through a combination of technology, analytics and professional services for the imaging department and across the enterprise.

PerformanceBridge is a real-time data platform to help improve productivity and reduce costs.

DoseWise Portal offers exposure analytics to support radiation dose management.

DoseWise Portal to take control of radiation dose management

Pair vendor-agnostic, web-based software with exceptional professional services that offer deep expertise in clinical applications, IT, imaging, and medical physics. DoseWise Portal provides a streamlined solution to review and manage data on radiation exposure, helping you strategically take control of your dose programs.
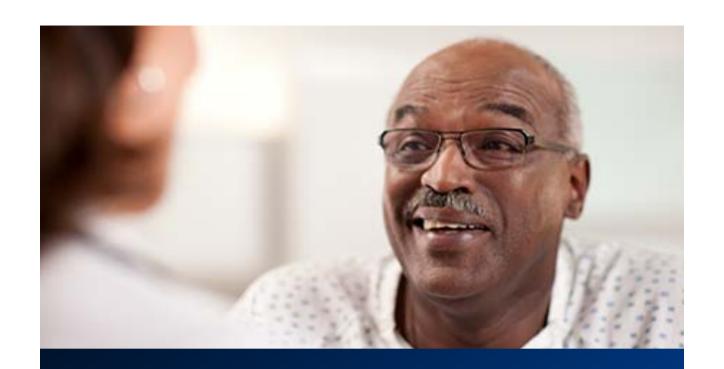
Seamless imaging for better healthcare

Meaningful innovation today lies in enabling seamless processes that deliver repeatable and reproducible outcomes with the power to touch more lives, at a faster rate, more cost-effectively. By focusing on what matters most to the imaging community – your clinical, operational, and financial challenges – we can streamline the path to a confident diagnosis and provide the greatest value to patients, providers and health systems. That's innovation at its best.

There's always a way to make life better.

About Philips imaging

Philips is a global provider of integrated imaging solutions for diagnosis and treatment. Our portfolio of imaging products – in MR, CT, molecular imaging, X-ray, fluoroscopy, IGT and ultrasound – is connected through the enterprise-wide IntelliSpace informatics platform for PACS, RIS, cardiology and advanced visualization. Focused on seamlessly connecting data, technology and people, Philips is pioneering design-driven solutions for patient comfort, smart systems to improve image acquisition, adaptive intelligence to boost diagnostic confidence, analytics and tools for operational improvement, and enterprise partnership models to address the challenges of value-based care.

Bring clarity to prostate cancer diagnosis

Improving prostate cancer detection for more patients

Precise, personalized care starts here

Early and accurate diagnosis leads to clear options for treatment. Unfortunately, standard TRUS prostate biopsies are often imprecise, with the ability to detect only 30-41% of cancers.[1] Philips offers a comprehensive prostate cancer diagnosis solution by utilizing MRI/Ultrasound fusion currently in use at 22 of the 25 of the top cancer hospitals in the US.[2] This unified, orchestrated approach to prostate cancer diagnosis and care has significant benefits for clinical teams and for patients.

This more targeted approach can benefit patients by potentially reducing instances of biopsy-related hospitalization, decreasing the likelihood of sepsis, and most importantly, avoiding the need for repeat biopsies.[3] Whichever method is chosen, ensuring that patients have the highest quality care possible can be complicated given the many specialties involved in the prostate cancer journey, such as urology, radiology, pathology, genomics and oncology. Inefficient and disconnected workflows further complicate the picture.

Did you know?

1/6 men in US/Europe will be diagnosed with prostate cancer during their lifetime[4].

TRUS is still the most common form of biopsy for prostate cancer detection, but MRI-targeted biopsies have been shown to improve diagnosis of high-risk cancers by 30%[5].

Due to inaccurate risk profiling, up to 40% of aggressive prostate cancers are undertreated[6] and up to 50% of insignificant prostate cancers are overtreated[7].

Troubling inequities in diagnosis and outcomes

Black men have an incidence of prostate cancer that is almost 73% higher than white men[8].

Black men are almost twice as likely to be diagnosed with prostate cancer as white men, and more than twice as likely to die from the disease[9].

High-quality prostate cancer care is personalized for each patient

Philips provides the tools needed for patient-centered MR imaging, advanced visualization and reporting, MR/fusion-guided biopsies, digital pathology and genomic insights. This integrated approach unites urology, radiology, pathology, genomics and oncology with an end-to-end flow of data that streamlines workflows, enhances collaboration for more confidence, delivers meaningful insights and helps support quality of life for patients with prostate cancer. Our clinical solutions can further enhance the patient experience by reducing unnecessary biopsies and post-procedure complications.

Results you can measure

Our clinical solutions can enhance detection and improve the patient experience by reducing unnecessary biopsies and potentially reducing post-procedure complications. Digital pathology saves time and resources through streamlined collaborative features and case management tools.

+30%

improvement in high-risk prostate cancer diagnosis using fusion biopsy vs standard biopsy[5]

-13.3%

reduction in pathological upgrading to clinically significant prostate cancer with targeted and systematic biopsies vs systematic biopsies alone[5]

+10%

increase in prostate cancers identified with combined targeted and systematic biopsy compared to systematic biopsy alone[10]

+19

hours/day saved through increased lab efficiency by using digital pathology workflows[11]
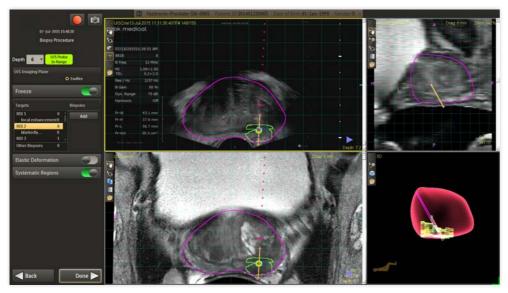
+50%

faster MRI scans using Compressed SENSE with virtually equal image quality[12]

Partnering to build best-in-class oncology programs

Philips recognizes that oncology care requires integrated approaches across patient pathways. From diagnosis and staging, to treatment decision, to therapy planning and follow-up, Philips is addressing challenges in cancer care by providing solutions across the entire care delivery pathway.

Philips is relentless in its pursuit to help you build best-in-class oncology programs in the ever-changing healthcare landscape.

Because today, health knows no bounds and neither should healthcare.

The traditional approach

Current methods of prostate cancer screening, such as prostate-specific antigen (PSA) tests and digital rectal exams (DRE), are somewhat unreliable and can lead to many uncertainties for both patient and urologist. Prostate biopsy, the most reliable method of detection, is a challenge because of the difficulties in visualizing not only the entirety of the prostate, but also the location of the biopsy needle. Transrectal ultrasound-guided prostate biopsy (TRUS), the current biopsy standard, commonly suffers from poor image resolution, and the biopsy needle often passes through tumor-free areas of the prostate **– potentially missing the tumor entirely.**

MR/US fusion aligns and registers prior diagnostic MR images (bottom) with real-time ultrasound images (top). The purple outline displays the segmented prostate anatomy from the MR exam and green/red "targets" indicate the location of the MR suspicious lesions.[1]

[1] Pinto PA, Chung PH, Rastinehad AR, et al. Magnetic resonance imaging/ultrasound fusion guided prostate biopsy improves cancer detection following transrectal ultrasound biopsy and correlates with multiparametric magnetic resonance imaging. J Urol. 2011;186:1281.

A better way

Targeted MR/ultrasound biopsy is poised to become a new standard in prostate care. The UroNav Fusion Biopsy System from Philips fuses pre-biopsy MR images of the prostate with ultrasound-guided biopsy images in real time, for excellent delineation of the prostate and suspicious lesions, as well as clear visualization of the biopsy needle.

Trusted by the best
UroNav is used at 15 out of the top 20 ranked US hospitals[2]

Bringing the power of MRI to Urology
With UroNav, there is no need for complex mechanical devices or complicated, time-consuming setup routines. UroNav keeps the targeted MR/ultrasound biopsy procedure in your hands with a simple workflow and unique features designed around you and your clinical needs.

We work how you work

UroNav fusion biopsy system combines electromagnetic tracking and navigation, similar to the GPS in your car, with an onboard computer and a real-time imaging interface in one easy-to-use, mobile workstation. A small, localized electromagnetic field is generated and used in conjunction with a navigation sensor mounted to your existing ultrasound transducer*. Simply position the navigation system above the patient and you're ready to take advantage of UroNav's simple, guided workflow – which follows the same TRUS biopsy procedure that you are used to.

UroNav navigation sensor is mounted to your existing TRUS probe.*

The UroNav electromagnetic field generator is positioned above the patient's pelvis.

We have you covered
from every angle

UroNav supports both transperineal and transrectal biopsy approaches – providing the flexibility necessary to incorporate fusion-guided biopsy into your preferred biopsy method. When UroNav is used in combination with the UroNav mobile stepper system and two navigation sensors, the system will automatically detect that a transperineal biopsy approach is being initiated. UroNav then presents an intuitive, guided workflow and interface optimized to support a transperineal biopsy.

*Contact Philips to ascertain compatibility with your system.

Bringing it all together

UroNav interfaces directly with both DynaCAD Prostate and our clinical data management platform – connecting Radiology and Urology like never before. Prostate and lesion segmentation data from Radiology are quickly transferred to our data management platform for review and target identification prior to biopsy. Following the biopsy procedure, biopsy core location data, images, and videos can be viewed in our intuitive, browser-based interface. Digital pathology data can be added and reviewed anytime following the biopsy for a complete patient view to support treatment decisions based on established clinical pathways.

An intuitive timeline provides quick access to biopsy produced information – including core location data, regions of interest, as well as images and videos captured during the procedure.

DynaCAD Prostate provides the diagnostic MR information needed for the fusion biopsy. Post-biopsy core location data from UroNav can be sent back to Radiology and viewed on DynaCAD as a "reverse fusion" with a pre- or post-biopsy MRI.

The power of collaboration

Amazing things can happen when powerful minds are brought together through equally powerful technology. Philips continues to step outside the traditional boxes of healthcare to bring shared clinical knowledge, patient information, and imaging data together with a common goal – enhancing collaboration with a focus on the health continuum – because there's always a way to make life better.

PHILIPS

DynaCAD 5.0

Technical datasheet

DynaCAD 5.0 hardware and software requirements

Philips DynaCAD 5.0 is a multi-vendor MR image analysis system designed for clinical diagnosis, reporting, and interventional pre-planning and assists the physician through a series of sequential tasks. Creating time and workflow efficiencies, DynaCAD facilitates the analysis of dynamic and non-dynamic MR datasets to provide study review, lesion characterization, and additional mathematical and/or statistical analysis. Its optional interventional planning image-guidance application supports diagnostic and interventional procedure planning for biopsy and/or soft tissue ablation.

Server supported operating system and SQL platforms

Operating systems	SQL Server version
Windows Server 2019	SQL Server 2019
Windows Server 2016	SQL Server 2016 or 2019
Windows 10 Professional, 64-bit	SQL Server 2016 or 2019

All SQL instances have been tested and validated to reside locally on the same server as the application. Any other installation will be out-of-scope.

Philips will provide SQL Express for DynaCAD to function. DynaCAD is certified to run with SQL Standard and Enterprise editions if desired. For this option, SQL Standard or Enterprise editions will need to be provided by the customer at the time of installation on the local DynaCAD server.

DynaCAD 5.0 servers must meet or exceed the following system configurations

Server hardware

	Low volume Environments where DynaCAD will be processing fewer than 6 cases weekly or connecting less than 4 concurrent users.	High volume Environments where DynaCAD will be processing greater than 6 cases weekly or connecting greater than 4 concurrent users – max 10.
CPU	Intel XEON® E5-2600 family, dual processors 4 physical cores per processor with hyperthreading enabled.	Intel XEON® E5-2680 family, dual processors 8 physical cores per processor with hyperthreading enabled.
RAM	32 GB	64 GB
Hard disk	100 GB System + data storage ~300 GB	100 GB System + data storage ~900 GB
NIC	1 Gbps	1 Gbps
Network LAN	1 Gbps bandwidth	1 Gbps bandwidth
Video card	Onboard integrated card	Onboard integrated card
Display	1280 x 1024 true color	1280 x 1024 true color

Based on field experience, we have found that the best practice for acceptable system performance is a network latency of <5 ms between server and client.

Virtual server

CPU	Intel XEON® E5-2600 family, dual processors at least 16 cores
RAM	32 GB minimum
Hard disk	100 GB System + data storage ~900 GB
NIC	1 Gbps
Network LAN	1 Gbps bandwidth
Video card	Onboard integrated card
Display	1280 x 1024 true color
VM Environments	Hyper-V and VMware (only supported VM environments)

Based on field experience, we have found that the best practice for acceptable system performance is a network latency of <5 ms between server and client.

DynaCAD 5.0 clients must meet or exceed the following system configurations

Client supported operating systems

Windows Server 2016 and 2019
Windows 10 Professional, 64-bit

Client hardware

CPU	Intel Core® 2 Duo
RAM	8GB
Hard disk	100 MB free space
Network	1 Gbps
Video card	Onboard integrated card
Display	1280 x 1024 true color

DynaCAD Urology

Integrated planning for fusion biopsy

DynaCAD Urology is a purpose build solution that empowers urologists with a dedicated set of tools for utilizing multi-parametric MR data in fusion biopsy workflows. It also provides a solution for managing patients' biopsy data in urology.
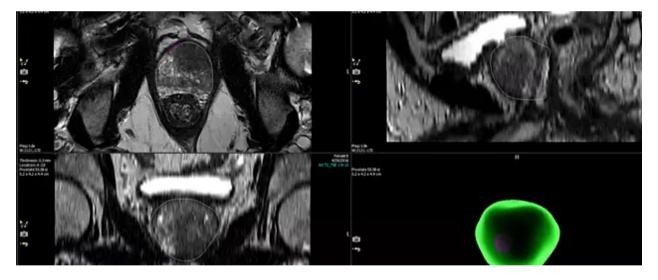
Features

Use tools designed for urology

DynaCAD Urology works with DynaCAD Prostate, used in radiology, to provide urologists with an easy way to store, review and manage comprehensive diagnostic and therapeutic data. It provides viewing layouts and tools that are specifically dedicated for urological review.

Boost confidence for biopsies

Once radiology has defined the prostate boundary and targets using DynaCAD Prostate, DynaCAD Urology displays the resulting information for urological review. Dedicated tools allow you to edit the prostate segmentation if needed, and add targets based on prior biopsy procedure core locations. This creates a ready-to-use plan for fusion-guided biopsy using Philips UroNav.

Streamline your workflow

An automatic exchange ensures that data moves quickly and reliably between the radiology and urology departments, bypassing possible delays such as when using discs or memory sticks. Secure network connectivity can also help enhance data integrity and safety – giving you the data you need for active surveillance, subsequent biopsy and therapy planning, and for follow-up.

DynaCAD Urology and DynaCAD Prostate are modules of the DynaCAD product.
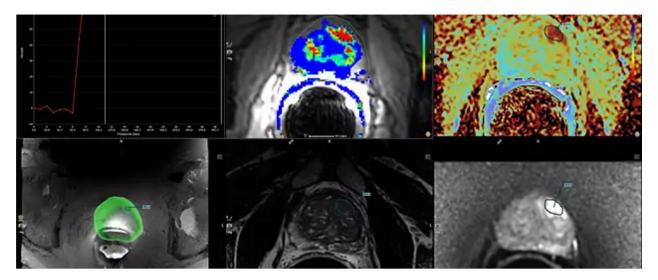
DynaCAD Prostate

Advanced visualization for prostate MRI analysis

Philips DynaCAD Prostate is an advanced visualization system that empowers you with a comprehensive set of tools for real-time analysis, review, and reporting of multi-parametric MRI studies. Create time and workflow efficiency by transferring images directly from the MRI to DynaCAD. Utilize its robust, automatic post-processing tools and display results in customized hanging protocols for analysis and reporting. At case completion, you can automatically transfer key images, statistical data, and prostate PI-RADS® reports to PACS for archiving. By setting everything up for you to work, DynaCAD helps you enhance your confidence and productivity – so patients get the prompt, precise care they need.
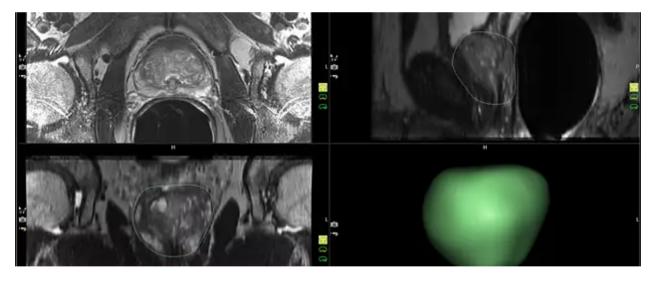
Features
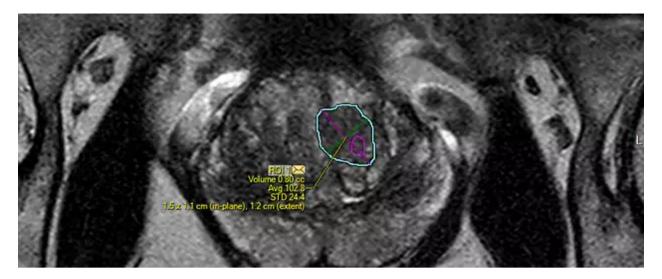
Enriched, multi-parametric exam reviews

With a powerful, easy-to-navigate, multi-vendor MR image analysis system, DynaCAD can quickly process and manage large volumes of data. You can open cases in ready-to-read, custom hanging protocols with all images synchronized for easy, multi-parametric review.

Adjustable 3D segmentations for optimally guided biopsies

You can virtually eliminate manual outlining of the prostate gland: DynaCAD Prostate's model-based gland segmentation automatically performs a 3D segmentation of the gland. You can alter or adjust the segmented results in all three planes. The resulting segmentation reports overall gland volume and sets the stage for UroNav MR/US guided fusion biopsy and ablation procedures.

Enhanced targeting of ROIs

User generated ROIs can be displayed on a 3D model of the prostate as well as multiple image sequences from the study.
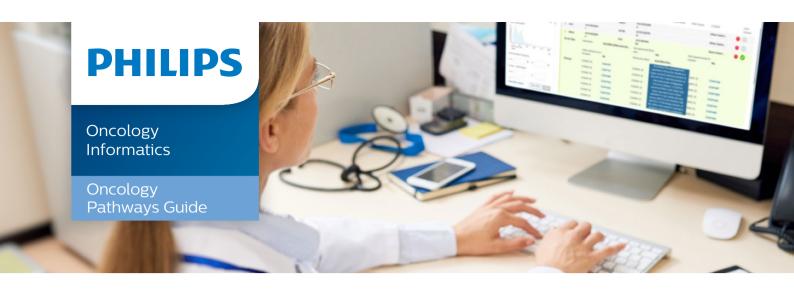
Interactive worksheets summarize study findings

PI-RADS® v2.1 interactive worksheets collate and classify data related to exam findings. Users can mark the finding locations within regional diagrams and utilize the PI-RADS® v2.1 lexicon to record their characteristics and grade severity – with automatic projection of the ROIs into the PI-RADS® sector map(s).

DynaCAD Prostate is a module of the DynaCAD product.

PI-RADS® is a registered trademark of The American College of Radiology.

Product not available for sale in all countries. Please contact your sales representative to ascertain availability in your country.

PHILIPS

Placing the leading clinical practice, science and research into the hands of community oncologists
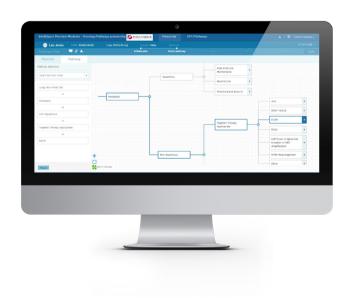
Overview

Broad scientific rigor with deep clinical experience. Philips Oncology Pathways Guide powered by Dana-Farber encompasses the expertise of over 300 oncologists, scientists, pharmacists and a team of data scientists and informatics experts at Dana-Farber Cancer Institute (DFCI) and includes 31 medical oncology and 27 radiation oncology pathways. IntelliSpace Precision Medicine with Dana-Farber Pathways 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. The exponential power of Philips' ingenuity and DFCI's clinical expertise, through our oncology pathways, is extending best practices of a renowned cancer institute to the global oncology community.

Product highlights

- **Access to Philips Oncology Pathways Guide powered by Dana-Farber**

- **Timely and continuous pathway updates**

- **Real-world sensitivity/specificity and warranted variation built-in to each pathway**

- **Applying most current data and evidence through quarterly, semi-annually, and ad-hoc meetings**

- **Disease meeting minutes — the depth of preparation, discussion and decisions during disease committee meetings are captured and shared with all stakeholders**

Background on clinical pathways

A new form of health care based on data, algorithms, and precision tools has become possible. Precision Medicine — an emerging approach that integrates investigation of mechanisms of disease with prevention, treatment, and cure, resolved at the level of the individual subject or patient — has potential to contribute to solutions for providing high value health care to improve outcomes while decreasing cost.

The platform is a precision care solution that automates workflows with embedded clinical decision support and data management services.
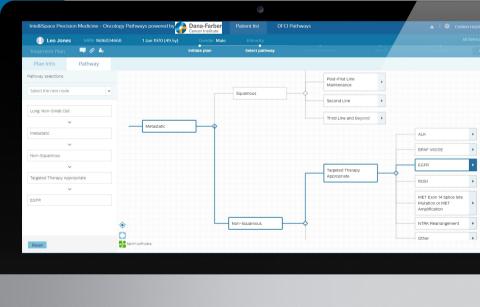
Further info

Philips Oncology Pathways Guide powered by Dana-Farber solution is built on top of the Philips HealthSuite Digital Platform (HSDP). HSDP is purpose-built for the complex challenges of healthcare, featuring rich clinical databases, patient privacy, and data security, industry standards and protocols, and personal population data visualizations.

Philips Oncology Pathways Guide powered by Dana-Farber is one of many features available on the platform. The platform is a precision care solution that automates workflows with embedded clinical decision support and data management services across the care process for multiple stakeholders. If desired, through an optional interactive subscription, Philips Oncology Tumor Board Orchestrator module is configured to present a comprehensive longitudinal view of the patient's clinical status for tumor board meeting participants to easily review the patient in the context of the oncology pathways. The Oncology Tumor Board Orchestrator, when configured to do so, integrates patient data from a variety of clinical sources, e.g., PACS, Digital Pathology, EHR, LIMS or other trusted healthcare IT systems.

Fig 1 Interactive view of DFCI pathway