



Entering a new era  
with efficient  
solutions



Our purpose

Create a world  
where  
healthcare has  
no limits



Entering a new era to deliver better health care.



## Efficiency + Capacity

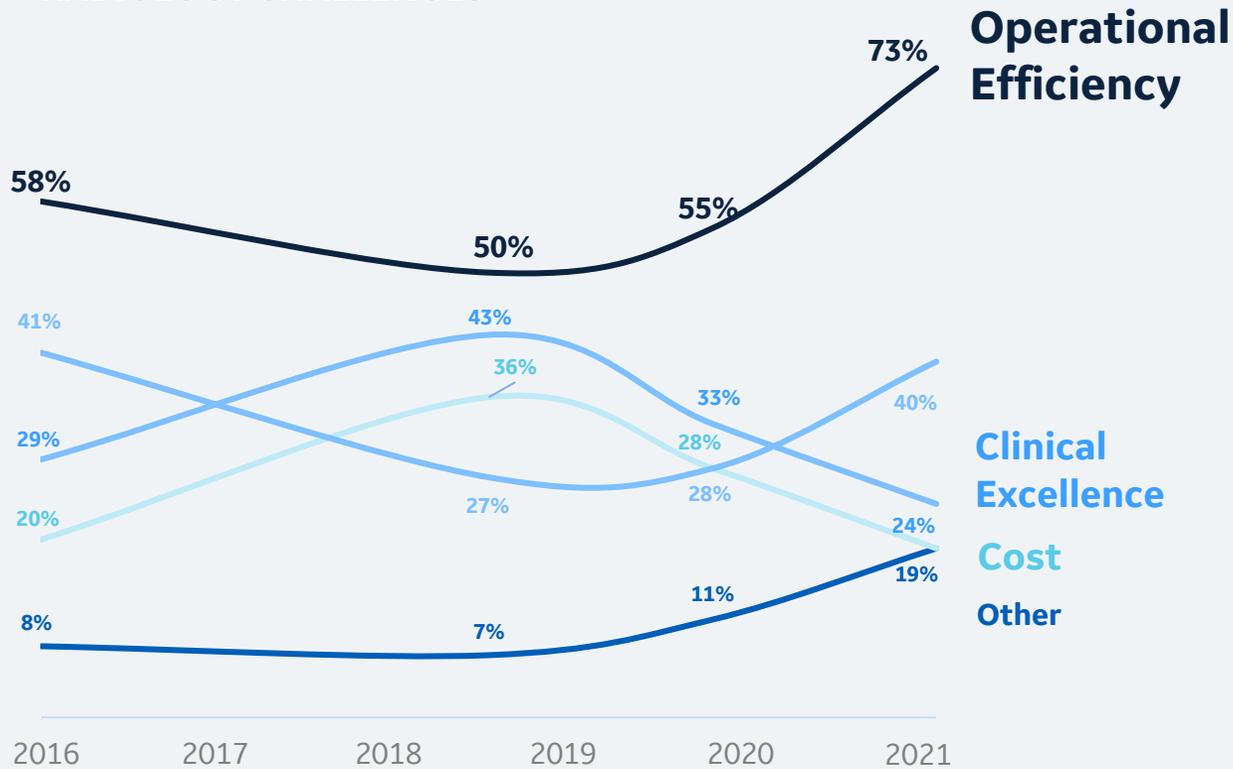
Entering a new era where efficient solutions can help solve the capacity issues and reduce rework for radiologists and technologists.

Improving capacity and efficiency

# **We understand** operational efficiency is increasingly important for radiology



## RADIOLOGY CHALLENGES



**Limited ability to adjust staffing** based on unexpected changes in demand; resulting in productivity, asset utilization and premium pay issues



**Technologist turnover and burnout** leading to training/expertise gaps and inefficiencies, including limited ability to deliver sub-specialty care at satellite facilities



**Radiologist burnout** due to factors such as increasing volume of work and pressure on results turnaround times



**Limited or piece-meal adoption** of data analytics, AI, automation, and/or machine learning that could help address operational inefficiencies at scale



**Variation across existing imaging equipment** that are scattered across a broad portfolio of sites – inefficient processes and training burden

# Improving capacity and efficiency Entering a new era in imaging



## Leveling the MR learning curve with the new face of SIGNA™ MR

The new face of SIGNA™ MR, and the power of innovative solutions to address multiple pain points along the diagnostic journey.

## Effortless Workflow *Computed Tomography*

The Revolution Apex platform provides unparalleled image quality, low dose, and uncompromised clinical solutions for both routine and challenging cases in all care areas.

## AMX™ Navigate *Mobile X-ray*

Designed to address the stress and strain in positioning for imaging. Our digital mobile X-ray system, provides a new level of clinical excellence with AI clinical decision and effortless workflow support.

## LOGIQ™ E10 Series *Ultrasound*

Empowering you to make the difference. Next generation, leadership ultrasound that adapts to your needs today and into the future.

*Smoother, more connected imaging capabilities are coming.  
Are you ready?*



# Improving capacity and efficiency Entering a new era in image resolution with **deep-learning imaging reconstruction**



## **AIR™ Recon DL**

Magnetic Resonance Imaging (MRI) pioneering, deep-learning based reconstruction algorithm that significantly improves SNR and image sharpness, enabling shorter scan times.

## **TrueFidelity™**

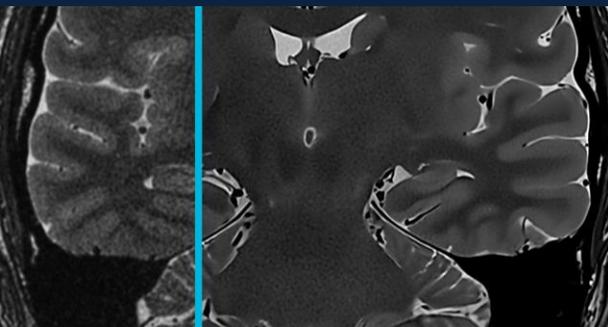
Computed Tomography (CT) state-of-the-art image reconstruction technology that uses a dedicated Deep Neural Network to generate high-definition, low-noise CT images. It produces images with exceptional sharpness, low-contrast performance and your preferred noise texture, even with low dose.

## **Precision DL\***

Image processing software featured on our latest Molecular Imaging PET/CT system, designed to enhance your images.

## **Helix™**

Helix Advanced Image Processing delivers sharp detail and consistent performance in X-ray, despite variations in exposure technique and challenging exam conditions. Automated enhancement in image presentation consistency and potential reduction in post-processing time by up to 87%.<sup>1</sup>



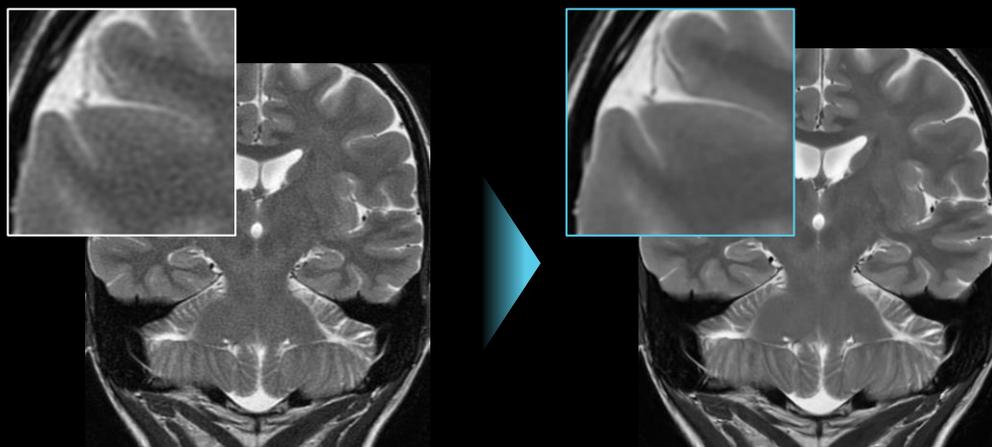
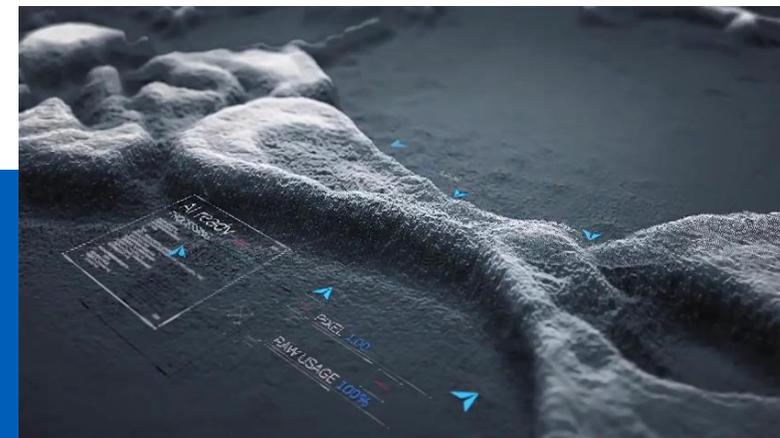
# Increasing capacity with quality images in less time with AIR™ Recon DL



A pioneering, deep-learning based reconstruction algorithm that significantly improves SNR and image sharpness, enabling shorter scan times

**For clinicians:** Easy and confident diagnosis with sharper, clearer, accurate MRI images

**For patients:** Comfortable MRI experience with up to 50% reduction in scan time



Conventional

 AIR™ Recon DL

## Access & Productivity: Strength in numbers

>2,500

license orders received\*

>1,500

Global installations

>17

Published journal articles

~5,500,000

estimated patients scanned with AIR™ Recon DL\*\*

GEHC@RSNA 2022

Improving capacity and efficiency

# Reaching the right diagnosis effortlessly in CT



## Driving Innovation

## Clinical Decisions

## Intelligently Efficient

## Digital AI

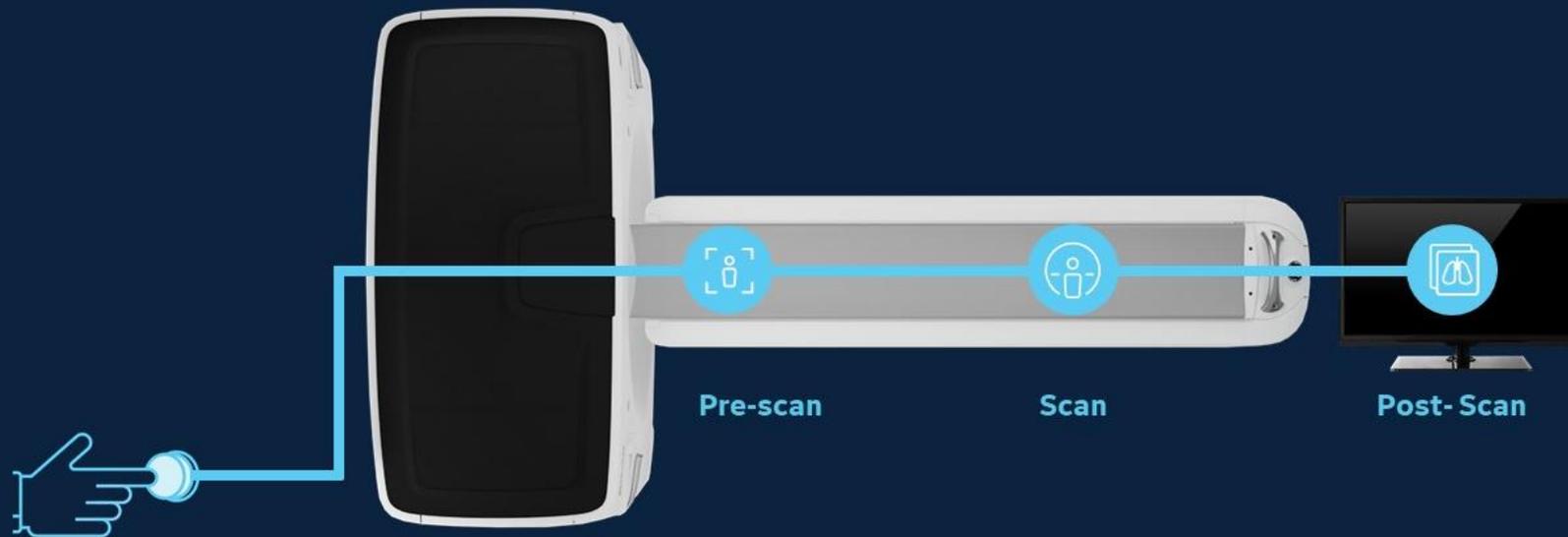
Developing next Gen CT\* with **spatial and spectral imaging**, aiming to improve quantification and characterization

Targeting **50% reduction** in indeterminate results with clinically acceptable workflow

**Goal to eliminate** lost productivity with intuitive and intelligent design

**Expanding** beyond scanner hardware to automate, upscale and curate data overload

## EFFORTLESS WORKFLOW



GEHC@RSNA 2022

# Improving capacity and efficiency Imaging 360 for Operations

## Efficiency. Empowerment. Excellence.

### Designed to make your world work better

Smart, easy-to-use solutions for the challenges that complicate your day-to-day and get in the way of quality outcomes

### Free your team to thrive

Empower your team with the tools they need to focus more on care, and less on everything that gets in the way

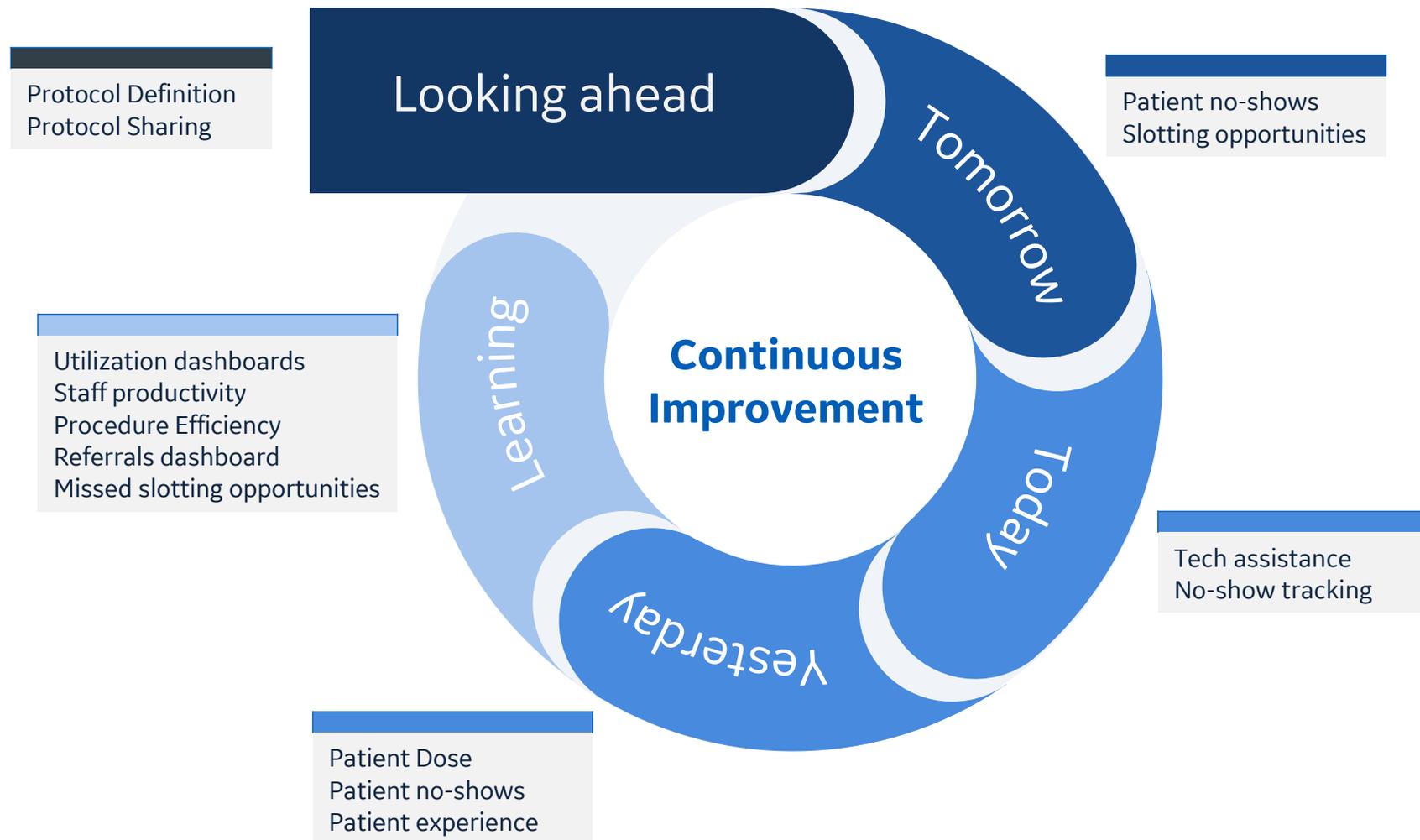
### Welcome to the future of imaging

Unlock a new level of quality, consistency and confidence – and get the best clinical outcomes



# Imaging 360 for Operations

## Insights into the past and preparing for the future



*Not all products or features are available in all geographies. Check with your local regulatory representative for availability in your country.*

# Our Focus on Imaging Operations



## Imaging Operation Solutions

### Staffing

Strengthen staff by giving them the support, tools and training they need to manage their workload efficiently and focus on what matters most—the patient.



Estimated **\$320k revenue** increase and 4-week reduction in backlog <sup>2</sup>

### Protocols

Optimize imaging exam workflows with protocol standardization and automated protocol selection to ensure consistency across the enterprise.



**50% reduction** in staff maintaining protocols <sup>4</sup>

### Scheduling

Find actionable insights that remove the barriers in workflow by identifying how resources can be optimized



Up to a **50% reduction** in CT scan time <sup>3</sup>

### Utilization

Ease the pressure on staff to fill and adjust schedule slots by predicting and mitigating no-shows and adding greater predictability to the work day.



Reduced no-shows up to **70%**<sup>1</sup>

1. Results based on single pilot site. The numbers discussed are from individual experience. Actual results may vary. GEHC does not guarantee results.

2. Results from Radiomed, Germany. The numbers discussed are from individual experience. Actual results may vary. GEHC does not guarantee results.

3. Results from Fourth Affiliated Hospital of Zhejiang University, China. The numbers discussed are from individual experience. Actual results may vary. GEHC does not guarantee results.

4. Results from Salud Digna, Mexico. The numbers discussed are from individual experience. Actual results may vary. GEHC does not guarantee results.

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# Digital Expert Access

Peer-to-peer collaboration anytime, anywhere

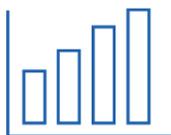
**Maximize your in-house resources.  
Improve clinical outcomes.**



Leverage in-house expertise



Remotely access key controls in the scan room



Optimize resource utilization



Collaborate with up to 10 users and 3 devices

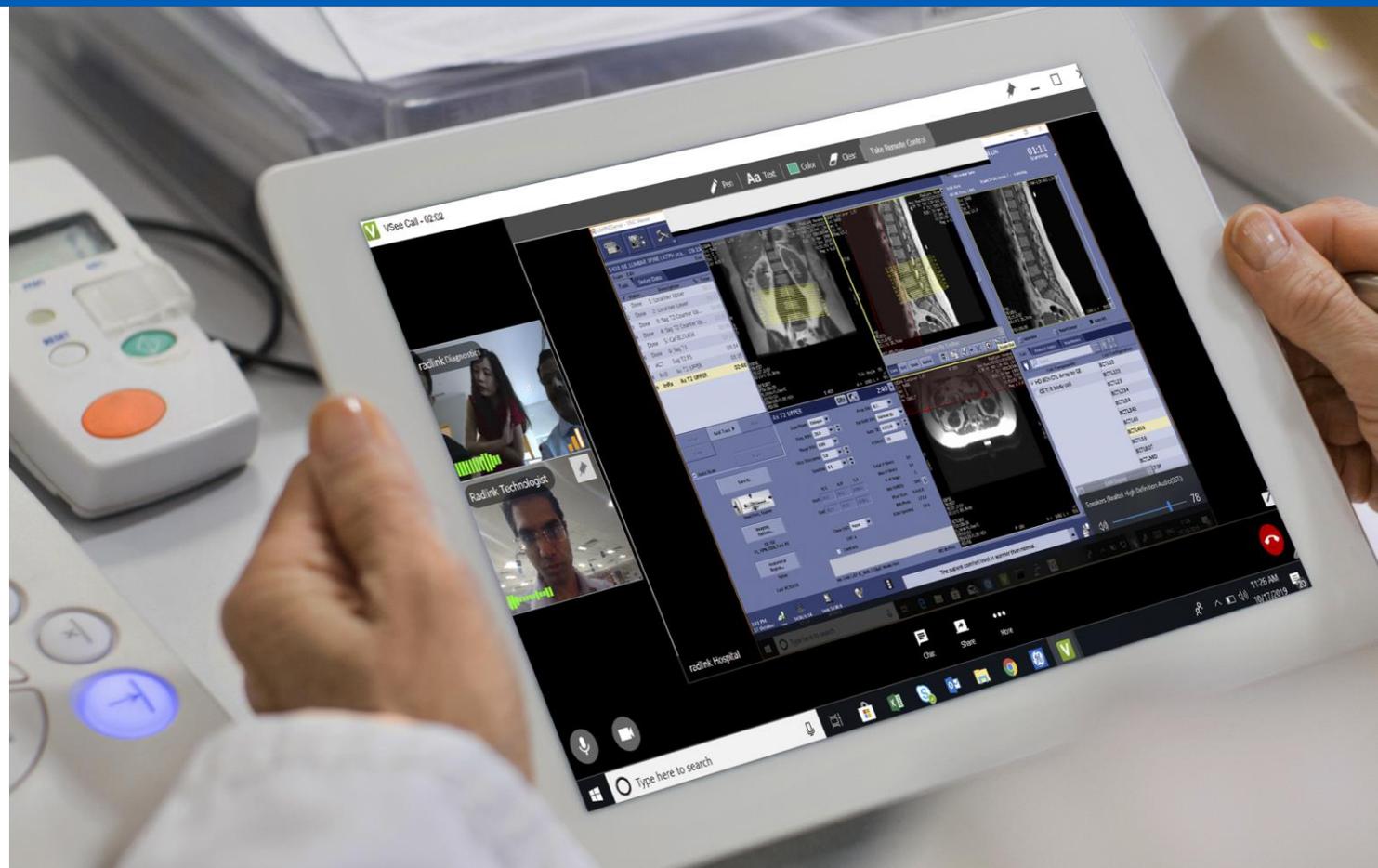
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1. GE Healthcare does not guarantee ROI. Results will vary based on the specifics of each customer.

## How can Digital Expert Access impact your imaging dept?



- Standardizing care across your network improves experience, reduces variations and may help increase ROI<sup>1</sup>
- Virtual access can help save time and utilize appropriate staff resources
- Live support helps to ensure accuracy, prevents repeat scans and boosts your staff's confidence



# Intelligent Protocoling

Automate protocol selection

## OUTCOMES

### Reduce interruptions

**>20%<sup>1</sup>**

About half of the surveyed technologists claim that Intelligent Protocoling has helped reduce interruptions to their operational workflow by greater than 20%.

### Save Time

**~85%<sup>1</sup>**

of the surveyed technologists agree that Intelligent Protocoling saves time in searching and selecting the right protocol.

### Wrong/inaccurate protocol selection

**42%<sup>1</sup>**

of users claim that the repeat scans related to wrong/inaccurate protocol selection may be avoided using Intelligent Protocoling.

### Consistency

**>2/3<sup>1</sup>**

of early adopter users claim that Intelligent Protocoling helps deliver uniformity in protocol selection across patients with the same exam indication.



## How can intelligent protocoling impact your imaging dept?

- Help ensure that the most appropriate exam is performed for the clinical question or scenario while minimizing the radiation exposure to the patient
- Drive imaging consistency across the department
- Help reduce time and cost of imaging

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1. Asst. Dir., Imaging Services, not-for-profit medical group serving more than 12 million members, based on 250 days of operation and \$1,500 revenue per exam.



# Imaging Protocol Manager

Simplify imaging protocol management

## OUTCOMES

**54K<sup>1</sup>**

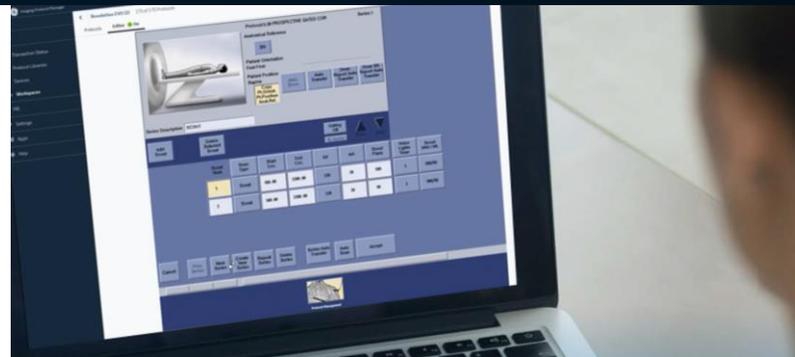
Increase in revenue per device per year from increased utilization and reduced downtime

**\$1,500/day<sup>1</sup>**

Increase in revenue from additional exams made possible by a decrease in on-site maintenance

**\$50K/year<sup>1</sup>**

Increase of radiologist productivity



## How can Imaging Protocol management impact your imaging dept?

- Track and update CT and MR protocols for your GE devices to ensure consistent image quality and optimal patient care
- Meet regulatory standards, speed up the accreditation process and improve reimbursement rates
- Remotely update and manage protocols between facilities and make changes in minutes
- Create an audit trail of protocol changes, compare used protocols to published standards and review protocols before they're released

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1. Based on survey responses analyzed from 32 technologists from 10 different sites using intelligent Protocoling in their clinical practice. No financial incentives or conflicts exist between GE Healthcare and the survey participant.

# DoseWatch™

Simplify patient dose optimization

## OUTCOMES

### Drive Awareness



Get dose notifications early and often to identify outliers in patient dose data.

### Enhance Workflow



Improve workflow through access to patient dose history and integrated EMRs.

### Maintain Compliance



Promote compliance with national dose reference level (DRLs).

### Optimize Patient Experience



Get high-quality images at the lowest possible radiation dose.

1. This feature is available in DoseWatch 3.3 and higher versions  
2. This feature is available in DoseWatch 3.2 and higher versions

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## How can DoseWatch impact your imaging dept?

- Automatic multi-modality and multi-vendor dose tracking
- Help improve compliance needs in your market with benchmarking against national or local diagnostic reference levels (DRLs)<sup>1</sup>
- Optimize scalability and fine tuning to increase efficacy and accuracy<sup>2</sup>
- Assist workflow improvement with automated detection of imaging workflow issues post-exam<sup>3</sup>

# Imaging Insights

Improved visibility. Actionable insights. Better outcomes.

**Imaging Insights regularly updates and correlates multiple data sources into one consolidated view**

## How can Imaging Insights impact your imaging dept?



- Operational efficiencies that drive productivity and decision making
- Clinical excellence to drive compliance guidelines
- Improve financial growth by attracting more patients and referrals

### Equipment Utilization



Identify variations in equipment usage

### Protocols



Protocol standardization and optimization

### Schedule



Throughput and backlog improvements

### Referrals



Doctors and facilities with the most referrals

### Dose



Practice-level dose and compliance

### Staff



Training needs and opportunities

### Patient Experience



Identify and reduce wait time

### Data Quality



Validated machine and RIS data

# Imaging Insights Radiology Operations Module

Vendor-neutral departmental analytics



## How can Imaging Insights Radiology Operations Module impact your imaging dept?

- Drive enterprise-wide efficiency and financial improvement
- Increase patient satisfaction by reducing procedures variability and exam duration
- Improve enterprise productivity and revenue by removing process gaps

### OUTCOMES



Uncover departmental inefficiencies to drive improved wait times and patient satisfaction.



Streamline metrics reporting and operational improvement activities.



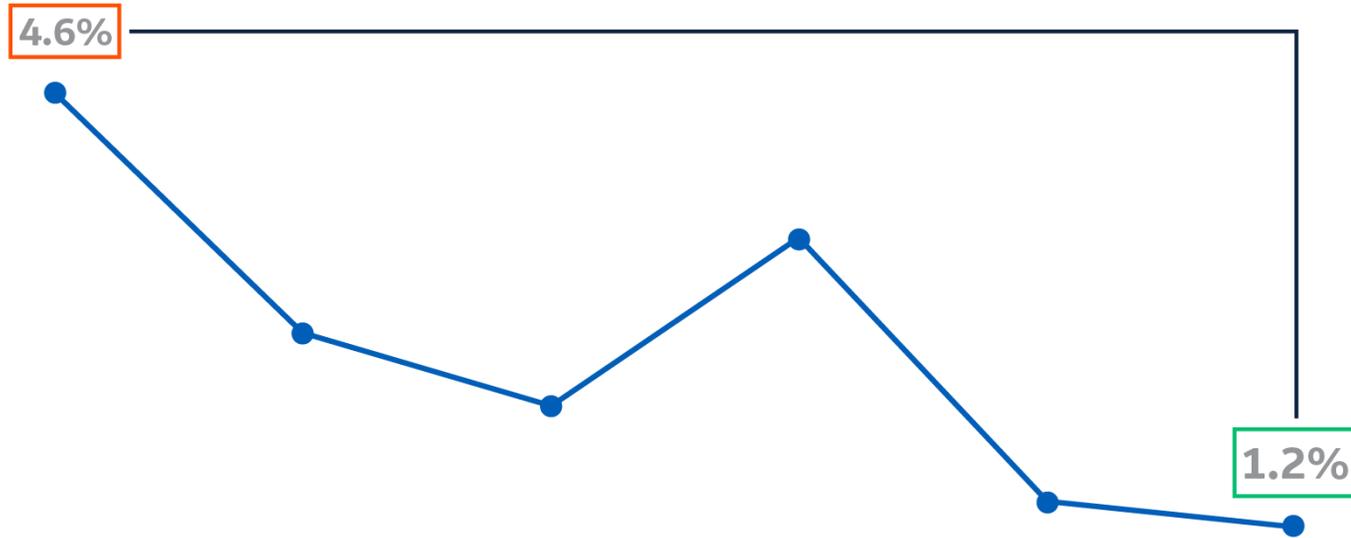
Balance Radiology departmental workload and increase referrals to help drive increased revenue.



# Smart Scheduling

Helping you predict the unpredictable

REDUCE NO-SHOWS BY UP TO 70%<sup>1</sup>



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1. Results based on single pilot site. Results not typical and cannot be guaranteed. GE Healthcare makes no guarantees concerning the impact of the use of Smart Scheduling on customers' facilities.



## How can Smart Scheduling impact your imaging dept?

- Track no-shows through automated and aggregated alerts throughout the day
- Save time and effort and increase your conversion rates
- Help support probability-driven decision making and actions
- Increase your predictability and have fewer disruptions

