



Imaging Insights



Obstacles like the lack of visibility to data and insights, increased backlog due to scheduling inconsistencies, inability to link performance with training needs, lack of standardized care across the enterprise, and sub optimum asset utilization are consistent challenges even the most forward-thinking radiology departments face. Imaging Insights helps shine a bright light on your entire imaging operation, providing actionable insights with a focus on operational efficiencies, clinical excellence, and growth management.

Imaging Insights* is a solution that combines analytics and coaching to help radiology management teams achieve their value-based imaging transformation objectives through:

- Automated and actionable insights to help optimize clinical and operational performance.
- Unique insights built on data collected from machine (multivendor/multimodality) and the Radiology Information System (RIS) and deployed, managed, and supported through GE Healthcare's Applied Intelligence platform.
- Customer Success Engagement to drive change, support success, and deliver outcomes.

Imaging Insights shines a bright light on the information you need for actionable insights with a focus on helping improve the patient experience and help your facility optimize value-based care.

Operational efficiency

- Help optimize exam duration and procedure scheduling to increase throughput and reduce backlog
- Identify variations in practices and staff performance for training opportunities

Clinical excellence

- Help identify and standardize variations in protocols
- Enable dose management practices to meet regulatory/compliance guidelines by identifying variations of dose levels

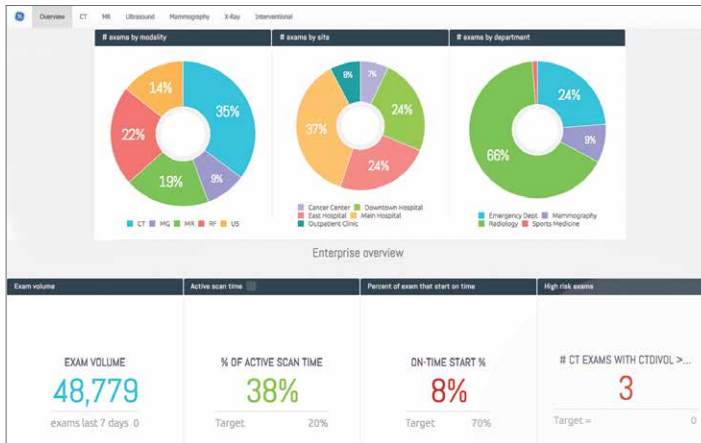
Growth management

- Help improve referral management and examination mix
- Benchmark trends for asset mix and utilization by hour/day/week for equipment optimization and capital planning
- Monitor the quality of service delivered to the patient and the provider

Imaging Insights is part of the broader portfolio of digital solutions developed by GE Healthcare for radiology. It can be combined with other solutions to help accelerate outcome impact (DoseWatch™, Imaging Protocol Manager¹, or any Applied Intelligence solution).

Overview

Designed for C-suite users and administrators, the Overview dashboard presents metrics at an enterprise level. Here you'll see the performance of your connected assets organized by modality, site, and department. From the Overview page, you can decide to drill down in a specific modality home page.



Modality home pages

Each of the Modality home pages are designed to help radiology directors or imaging service line managers make improvements for individual modalities, and key performance indicators (KPIs) are tailored for each modality.

It is a place from which you can see the most important KPIs for a given modality and identify where to prioritize your focus.

Utilization

The Utilization dashboard contains widgets helping you to understand the distribution of exams across your devices, trend overtime, and allows you to benchmark similar systems together. It allows you to distinguish the time spent during examination and between examinations, and gives you a first view on the most frequent examination on each system.

Dose

The Dose dashboards are intended to help users optimize practice-level dose performances across their fleet and benchmark against similar systems, exam types, and patient sizes. Each radiation-emitting modality has specific KPIs:

- CT dose dashboards present both CTDI vol and DLP metrics.
- X-ray dashboards present both DAP and Entrance Dose.
- Mammography dashboards contain Average Glandular Dose measurements.

Protocol

The Protocol dashboard contains widgets helping the user to understand which protocols are being used for each exam type on each system. This is done by benchmarking local systems and protocols from various devices, including the frequency of use.

It allows protocol teams to identify standardization improvement opportunities between systems and within protocols and to see deviation from standard protocols.

Staff

The Staff dashboard helps teams identify variation in technologist technique, performance, key opportunities, best-practice sharing, coaching, and training.

KPIs include measurements of exam distribution volume and duration by technologist, as well as differences in clinical technique and patient positioning.

Schedule

The Schedule dashboard highlights with actionable insights how well your schedule is optimized for throughput and identifies opportunities to add exams. It can also help identify when similar exams can be grouped to help minimize setup changes.

Patient experience

The Patient Experience dashboard contains widgets to understand status and trends regarding the patient experience with two key metrics:

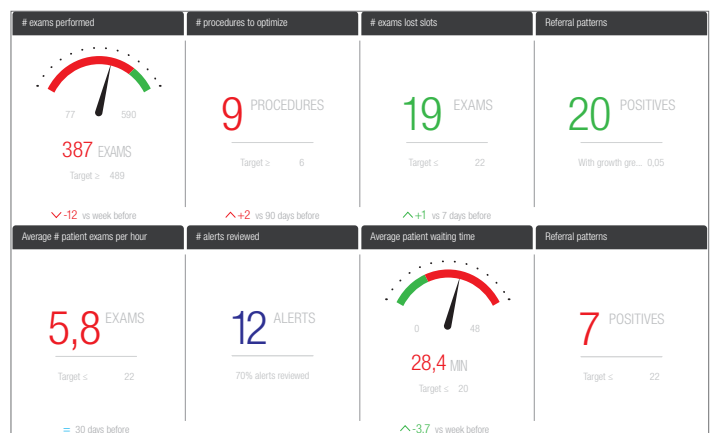
- The patient waiting time between when the exam was requested to the actual exam.
- The patient waiting time in the waiting rooms before the imaging event.

To enable this dashboard, an RIS integration is needed in addition to the modality connection. There is an additional charge for the RIS integration.

Referrals

The Referrals dashboard helps users understand where the volume of referrals is coming from and how they may be changing over time. The referring physician is correlated to turnaround time as well, to evaluate the referral experience.

To enable this dashboard, an RIS integration is needed in addition to the modality connection. There is an additional charge for the RIS integration.



*This product is only commercially available for MR and CT systems. There is no guarantee that this product will become commercially available for other types of systems or will contain the same features and functionality described herein.

Customer Success Engagement

Imaging Insights includes our Discovery Customer Success Engagement that helps customers get the value of the application.

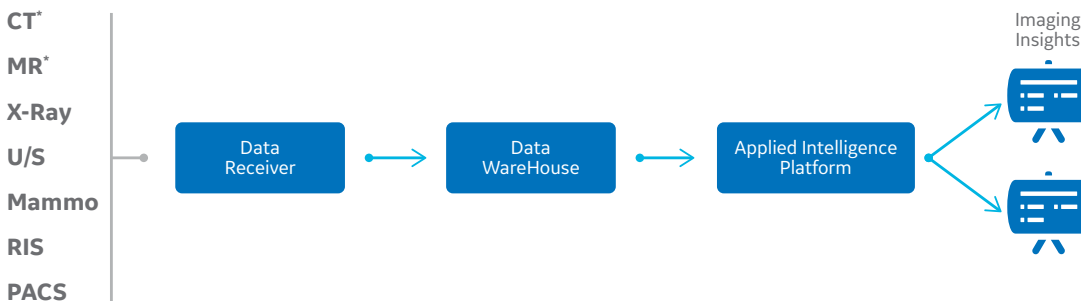
	Entitlement	Discovery
Outcome coaching	Measure current state	●
	Clinical excellence	●
	Operation efficiency	◐
	Growth management	○
Customer Success	Kick-Off	●
	On-line coaching (4 touchpoints)	●
	On-site advisory services	○
	Change acceleration	◐
IT	Machine data	●
	RIS data	○

In the Discovery Customer Success Engagement:

1. Customer Success Manager (CSM) is involved from the outcome scoping phase until its realization.
2. Through regular and sustained touchpoints, the CSM coaches the customer team, leveraging Change Acceleration Process (CAP) expertise/tools from the definition of the vision and governance mechanisms to the follow-up of action and initiatives.
3. To support customer success, the CSM can leverage GE Healthcare clinical experts, education material, and technical privileged support.

Technical architecture

Imaging Insights leverages data collected both from modalities* directly (DICOM or other) or indirectly (PACS) and from the Radiology Information System. Data is standardized and cleaned by the Data Receiver, then stored and organized in the Data Warehouse. The Applied Intelligence Platform consumes the data to build the insights and make it available to the end user.



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Server requirements

It is the customer's responsibility to provide an approved version of an operating system, configured and ready to accept the software. Below are the minimum specifications for a simple installation (mono site). Please consult GE Healthcare for recommended configuration for specific needs.

Data Receiver and Data Warehouse Single Server:

Item	Minimum specification
Server	Physical or virtual server, VMware® ESX and ESXi version 4 or 5, Microsoft Hyper-V®
CPU	Single CPU, 4 or more cores, 2.3 GHz, 64 bit (or greater)
Memory	16 GB or greater
Hard disk storage	100–150 GB partition for OS and software Partition for database <ul style="list-style-type: none"> • Variable based on exam volume and type Partition for database backup <ul style="list-style-type: none"> • Variable based on exam volume and type
Operating system	Windows® Server 2012 R2 (64 bit, Standard, Enterprise or Datacenter edition)
Network	1000 Mbit/s Ethernet switched connection (gigabit) Static IP address

Applied Intelligence System Requirements:

Item	Minimum specification
Server	Physical or virtual server, VMware ESX and ESXi version 4 or 5, Microsoft Hyper-V
CPU	Dual CPU, 8 Cores, 2.8 GHz, 64 bit
Memory	32 GB
Hard disk storage	100 GB of storage, 200-500 GB recommended
Operating system	Windows Server 2008 R2 SP1(x64) – Standard or Enterprise Windows Server 2012 R2 (x64) – Standard or Enterprise
Network	100/1000 Mbit/s Ethernet switched connection Static IP Address
Other requirements	Windows IIS Microsoft .NET Framework 4.5.2

Imagination at work

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1 Imaging Protocol Manager is not commercially available.

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