



## DoseWatch Explore – Make the invisible visible

DoseWatch™ Explore is a web-based, cloud deployed, introductory dose management software to track, analyze and report practice-level data for GE CT systems. This software collects radiation dose data<sup>1</sup> directly from your GE CT scanner, then summarizes and presents the data via a web application. With this introductory offering, you can start to make initial improvements around dose management to help drive changes in your organization that will ultimately improve patient care with respect to radiation dose.

Requiring no IT integration or installation, DoseWatch Explore is a great way to take the first step toward improving your dose management practices. The application uses GE's InSite™ connection to retrieve detailed exam and dose data directly from your GE CT systems, without collecting patient identifiers. The DoseWatch Explore user interface is intuitive for users to navigate because it leverages the GE Predix™ platform.

Upon completing the online registration process, you can immediately begin using DoseWatch Explore to:

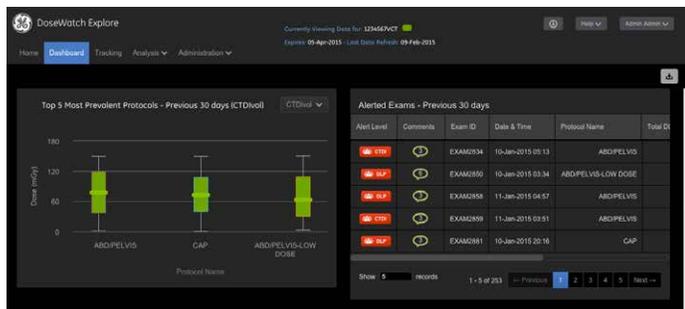
- Identify high dose protocols and trending over time
- Compare protocols to understand variation
- Receive alerts when exams have exceeded pre-defined thresholds
- Quantify results of protocol optimization activities
- Generate reports to communicate results to C-suite/leadership



## Tracking: Driving Awareness

Each GE CT scanner that is connected to DoseWatch Explore is displayed, indicating how many exams have been performed and how many alerts have been generated for each GE CT scanner that is connected.

Easily identify the most prevalent protocols and exams that have generated an alert. View daily and timeslot analysis of the exams performed and alerts generated.



Quickly spot trends and identify which exams have triggered an alert notification with the interactive CT Worklist. The study details allow the user to:

- Compare individual CT exams to exams performed on the same scanner using the same protocol to quickly identify outliers and deviations from standard practice.
- View individual exam information, including series-level dose details and protocol parameters, to understand performance and potential causes for alert notifications.

## Analysis: Optimizing Performance

Understand your data to easily identify opportunities for optimizing dose.

- Review number of exams performed and the mean DLP or  $CTDI_{vol}$  delivered for a single protocol during a specific timeframe to see trends
- Compare two protocols for the same device, showing the difference in dose delivered by  $CTDI_{vol}$  or DLP
- Per protocol, identify which exams have exceeded the defined threshold or generated the highest dose
- Easily identify the number of exams performed and alerts generated based on time of day or date to analyze variations due to staff shifts or exam volumes
- Quickly review a summary of the protocols used and identify the distribution of protocols based on the number of studies performed on a particular system

## Reports: Sharing Results

DoseWatch Explore offers automated monthly reports with predefined analysis and graphs. The executive summary report is designed to help facilitate communication to leadership teams, while the details of the weekly report are helpful for individuals leading dose improvements on a daily basis.

## Administration & Support

Designated site administrators can manage users for their sites directly in the application, granting access and changing set privileges. Additionally, site administrators can set alert thresholds to help monitor performance, identify outliers and drive practice improvements.

## DoseWatch Explore: A first step in a comprehensive dose management program

In addition to DoseWatch Explore, GE Healthcare's Dose Management portfolio includes:

**DoseWatch** – An enterprise dose management solution that captures, tracks and reports radiation dose directly from medical devices across your healthcare system and network, regardless of modality or vendor.

**Dose Excellence Program** – Consulting services to help you go beyond measuring and tracking radiation dose to managing it by reducing variation, managing risk, streamlining reporting, and helping ensure quality imaging at the lowest dose possible.

### DoseWatch Explore is compatible with the following GE Healthcare CT Systems:

- Brightspeed™ Elite
- BrightSpeed Select Elite
- Discovery™ CT 750 HD
- Discovery CT 590
- Optima™ CT 660
- Optima CT 580 RT/W
- Optima CT 540
- Optima CT 520
- Brivo™ 315/325
- Lightspeed™ 16 Series (16 slice and greater)
- Lightspeed VCT
- Revolution™ (CT, GSI, HD, EVO)

For more information please visit:

[www.doseoptimization.gehealthcare.com](http://www.doseoptimization.gehealthcare.com)

<sup>1</sup> To mitigate privacy concerns, GE Healthcare does not collect patient identifiers only the exam ID and corresponding protocol parameters and dosimetric information.

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Predix™ is GE's software platform for the Industrial Internet. Predix enables asset and operations optimization by providing a standard way to run industrial-scale analytics and connect machines, data, and people. Whether your solutions are deployed on machines, on-premise or in the cloud, Predix provides an integrated stack of technologies for distributed computing and big data analytics, asset management, machine-to-machine communication and mobility, meeting your needs for scalability, extensibility, customizability, and security

