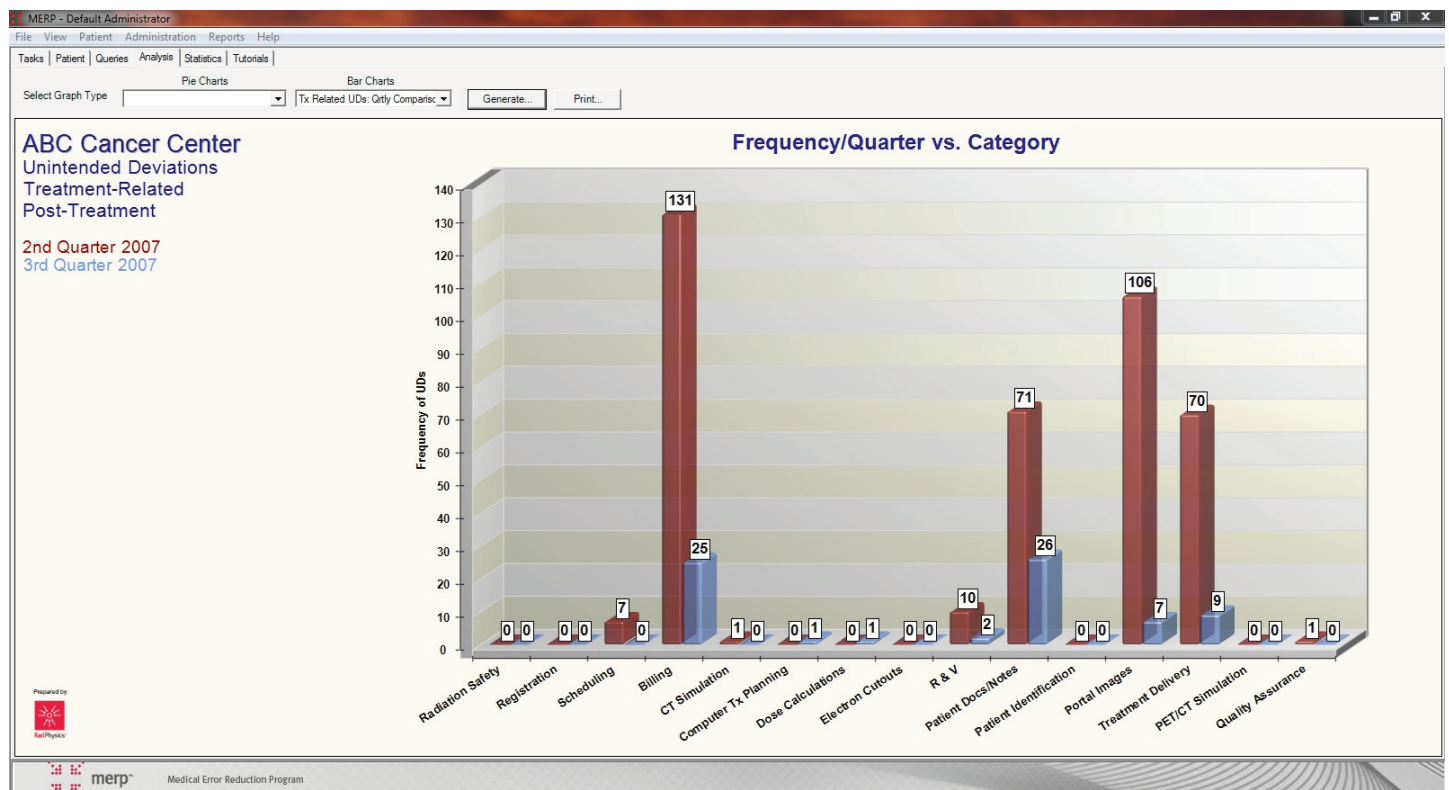


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Intro

RadPhysics Services LLC (RadPhysics) provides radiation oncology professionals with a comprehensive and integrated approach to error management. The company supplies a software program for reducing medical errors in radiation oncology. RadPhysics also provides benchmark policies and procedures following recommendations of professional organizations and requirements of regulatory agencies.



Project

The objectives of the project were to build an effective graphics interface with charts to show empirical results collected through clinical use of a medical error reduction program (MERP) in radiation oncology.

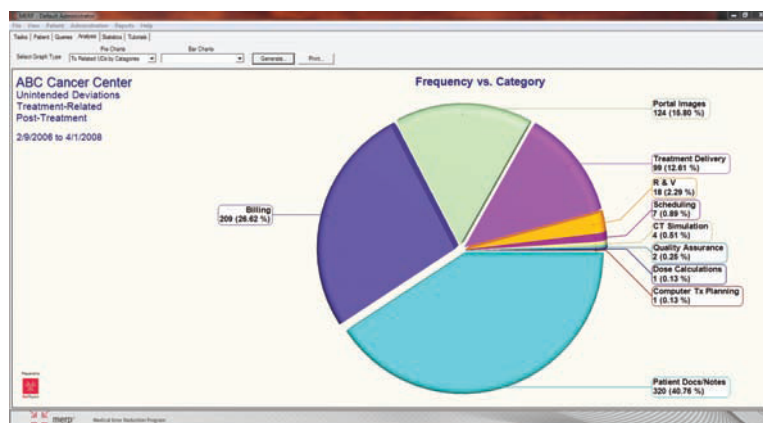
Product Background / Overview

Ensuring patient safety and managing errors is a significant goal of radiation oncology centers. MERP provides a comprehensive solution for error reduction and benchmarking quality in radiation oncology. MERP is a real-time, interactive error reduction and compliance software program designed to reduce preventable system-related medical errors as well as violations of regulatory

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requirements. MERP's non-intrusive data collection allows for timely information assimilation, analysis, and action plans. MERP complies with patient safety initiatives established by The Joint Commission, professional organizations, and state regulatory agencies. MERP provides a practical solution for minimizing risk and improving patient safety.



Requirements Scenario

We needed a charting program that could present information clearly and simply. Data had to be easy to sort and stratify. Presenting data had to be effective in helping establish a communication foundation between the different target audiences. Adopting and accepting the software program was critical to the success of the application. In our case, we needed to target hospital administrators,

physicians, and physicists. Other targeted audiences included specialty centers with similar individuals. We wanted broad acceptance of the application. The goal was to get our audience to understand the long-term risks of not implementing a better system of tracking and improving performance in their radiation oncology department. We wanted to communicate that our product and services are going to improve the overall care of patients in the facility. Lastly, we wanted the facility to understand how credibility was the best option in today's medical environment. The graphics had to be a large part of this challenge.

Solution Implementation

We had used an earlier version of Nevron charts to display results of data collection. However, our company had not upgraded to current Nevron charting solutions over a period of 6 years. Nevron helped us migrate to the latest version. This required porting of the source code. In addition, we looked at various visual improvements in sizing of the charts, text, characters, etc. Nevron did an excellent job at providing custom support and expertise in completing this project.

Reason to choose Nevron controls

Nevron graphics are clean and robust. We choose Nevron due to their appearance and ease of use in our application. The graphics are powerful and show spectacular data visualization capabilities. The technical support is excellent.

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Benefits

Nevron graphics present well and are easy to see and understand. The colors and backgrounds are vivid.

Future Implementations

We are interested in improving our product capability. This would include incorporating Nevron Diagram Designer. Diagramming allows us to show various flowcharts and schemes.

Conclusion

We are very happy with the Nevron charting product. As we improve our capability, we will continue to use Nevron graphics in our software program.

Solution Highlights

Though all our work was done remotely with close to a 12-hour time zone difference between both working groups, we were still able to successfully complete the project in an efficient and timely manner.

RadPhysics Services LLC
www.radphysics.com