

Doctors Scheduler (Rotation Manager)

Client Background

The client provides over-read and expert witness services nationwide. Subspecialty services include, but are not limited to, neuroradiology, mammography, and interventional radiology. With more than 40 radiologists and 40 years of experience, client is exceptionally well qualified to offer professional consultation on virtually every case involving radiology, from the simplest to the most complex.

Client's Challenge

For the Customer, challenge was to manually prepare and maintain doctor's rotations on weekly/Monthly basis in spreadsheets. And maintaining it for more than 40 doctors on monthly basis becomes very time consuming task. Whenever there is change in any rotation, it would become very cumbersome to find specific spreadsheet and make changes.

Additionally it was very difficult to map individual doctors rotation to their RVU's from another RIS and in term time consuming to find out their Medicare payments/compensations. All this manual process faced the below challenges/problems:

- Delay in report generation – It used to take few days to collect data from their RIS system and collate it into an excel sheet in various formats. This was a major hurdle impacting calculation of Medicare payments for doctors
- Users had to maintain different version of the reports and Rotation Calendar in separate excel files
- Lack of realtime visibility – RVU and Medicare Payment reports could be seen only after few days once it is ready
- Manual intervention resulted into low on data accuracy and reliability

The Our Approach

We understood the challenges and came up with the approach to import data coming from their RIS system and consolidate at a centralized location and present the data using advance reporting tool.

For this, We provided web based option to import RVU and Rotation data. This tool facilitates fast and easy import of complex data and automatically applies business rules while importing, completely minimizing manual intervention.

As per management's needs, We developed robust reports in Microsoft's SSRS tool for presenting the extracted data. This tool loads data faster and provides rich user experience. Also, it provides cross browser usability and provides the most comprehensive view of the data.

We also used technology advantage for easy management of doctor rotations on monthly basis.

Successful outcomes and results

- Previously RVU and Medicare payment data collection used to take few days, but now information is collected in less than a day's time
- Earlier efforts required for managing doctor rotation was enormous. Now it became very easy.
- High user experience makes the reports understandable in first glance
- No more worries of vLookup and HLookup formulas of excel

We with our experienced capabilities and excellent way of working helped customer's Scheduling and RVU data collection team to improve their productivity.

Technology used

- ASP.NET 4.0 with MVC
- Microsoft SQL Server 2008R2
- SQL Server Reporting services