

Clinical Benefits

- Physicians save time by having one point of access to patient records, which provides a procedure history with search capabilities by data fields
- Increase accuracy of data collection with Esh-IGT proactive automated business rules
- Reduce clinical/medical error i.e.: allergies, previous adverse reaction to sedation or anesthesia with automated alerts
- Increase time allocated directly to patient care
- Increase time allocated to supplementary activities
- Improve communication within the circle of the patient care by using system wide electronic notes
- Ensure patient is adequately sedated by providing sedation dosage history
- Improve patient privacy by using electronic signature to lock the data
- Reduce time to generate procedure documentation
- Reduce patient follow up time by using PDA at bedside and immediately link the data to Esh-IGT
- Improve productivity for each modality/department with Esh-IGT tailored functionality
- Increase clinical efficiency by identifying patients by ICD-9 codes and compare it against clinical data

Research Benefits

- Extract data for publication and research in matter of minutes
- Create online teaching files from existing patient case procedure
- Produce 3D graphs and reports online from the clinical data
- Store images from PACS and digital cameras for rounds and teaching files
- Provide physician with a user friendly tool to extract data independently
- Retain the query parameter for repeat data extraction over extended time periods
- Flag interesting cases and the case of the week from existing patient case procedure
- Generate online display case for rounds by several selection criteria
- Export research data to Excel

Operational Benefits

Budget

- Reduce inventory supply cost by 20%
- Eliminate expired inventory lots
- Automatically measure and report wait list performance and past due exams
- Actual to budget real time tracking
- Optimizing inventory ordering & eliminate shortages of high value materials
- Improve resource forecast and planning to 85% accuracy level
- Automatically measure and report all performance indicators for actual, budget and forecasting
- Tightly control inventory cost by procedure
- Quick start up and training within 1 week
- Alert on any price increase of supply cost
- Increase the patient throughput by room per day
- Increase room utilization to 85% accuracy level

Operational Benefits

Quality

- Full inventory lot tracking & automatic recall by patient and procedure date
- Electronic tracking and reporting of M&M incidents, recommendations and implementation.
- Improve scheduling accuracy to 85% level
- Tightly control inventory required and consumed by procedure
- Fully paperless system
- Automatically alert on patients conditions such allergy, prophylactic, notes, screening issues and implants
- Improve resource forecast and planning to 85% accuracy level
- Proactively notify the patients on pre exam requirements such food and drinks
- Automatically alert on past due patients exam
- Automatically alert on MRI safe issue on patients that had procedures done outside MRI.

Operational Benefits

Time

- Record patient procedure data in 7 minutes
- Reduce patient follow up time by 30% a day
- Automatically building your teaching files from the case procedure
- Extract data for research and publications in matter of minutes
- Easy interface with hospital systems and export data to Excel
- Use barcode to reduce inventory processing time
- Reduce billing processing time by assigning codes automatically to each patient procedure
- Reduce MRI patient wait time to days
- Decrease room set up time by optimizing the scheduling based on anesthesia type and required coil