

Delivering Accelerated Results



*Preserving Life's Most Valuable Asset...
OUR HEALTH*

Presents
An Integrated
Radiology Information System

OVERVIEW

E*HealthLine's Radiology Information System is a comprehensive HealthCare Information Management System that computerizes principal operations and administrative functions. It is modularly designed enabling computerization in phases. EHL generates extensive management reports, operational statistics and offers a powerful query module. The System is designed to offer a suite of exceptionally easy-to-use applications, intuitively designed for even those users with minimal computer experience.

E*HealthLine Radiology Information System (EHL-RIS)

Total Solutions

E*HealthLine provides a total solution to create, access, and manage diagnostic data and patient information from within a single, seamless workflow. At every point, E*HealthLine facilitates efficient and timely communication between radiologists, technicians, and ordering clinicians, while streamlining workflows and maximizing resource utilization.

System Attributes:

- Streamline scheduling to alleviate problems associated with managing the resources needed for complex multi-modality procedures.
- Provides direct access to a patient's complete record, enabling the radiologists make informed decisions based on the patient's full medical history.
- Harnesses the power of seamless PACS integration to link images and reports in a single system that can be accessed simultaneously by multiple physicians from multiple departments.
- Delivers powerful documentation tools or integrated speech recognition capability to radiologists, allowing them to record impressions directly into the patient chart.
- Reduces turn around time for radiology reports by providing direct, real-time results reporting to clinicians across the enterprise.

Increases revenue by reducing billing errors, eliminating lost charges, and maximizing resource utilization.

EHL-RIS is a software system that computerizes all aspects of record keeping and communication for a diagnostic imaging department. The system provides a simple and effective means for radiologists, clinicians and other staff to enter and retrieve exam data, view medical images, maintain patient records, and manage schedules.

Benefits include a reduction in clerical workload, universal access to exam data, a dramatic improvement in the turnaround time for the delivery of exam results, and an overall increase in efficiency and productivity. EHL-RIS also automates invoicing and the collection of data for statistical analysis and reporting

RIS Benefits

The radiology department's workload and paperwork are significantly reduced

Exam results can be automatically e-mailed or faxed to the referring physician, or printed directly to a remote network printer

The retrieval of historical exam data is faster, easier, and much more cost efficient than with a paper-based system

Statistical reports on patients and exams are produced effortlessly and accurately

With the Film Tracking Module, clinicians can immediately locate a film without phoning the radiology department

Invoices are automatically created and either printed or submitted electronically, not only saving time, but also ensuring that all exams are properly billed

Data backups ensure that the data will never be lost, even in a catastrophe

Reducing the use of paper requisition forms results in significant cost savings

Additional savings are realized by not having to mail reports to referring physicians

Depending Upon Access Privileges, Users Can:

Enter a new lab test requisition

Print copies of the requisition along with bar coded labels for attaching to the specimen(s)

Detect what tests have been ordered or completed for a specific patient

Check on the status of tests ordered by a particular physician

Review new and historical test results

Produce statistical reports on lab usage

EHL DATABASE

The core of EHL-RIS is a centralized relational database that includes the following types of records:

- Patients
- Exams
- Appointments
- Billing
- Users

The exam records are "universal," meaning that the record structure will accommodate all types of diagnostic imaging exams, including general radiography, CT scan, ultrasound, MRI, nuclear medicine and mammography

E*HealthLine Enterprise Data Repository (EDR)

Organized Data In A Single Patient Record.

From the beginning, E*HealthLine has focused on building a single, patient-centered repository that could capture all of an organization's clinical, financial, and operational data- from both inpatient and ambulatory care settings while organizing the process into a truly longitudinal patient record. Secure access to relevant patient data is granted intelligently by E*HealthLine for each use. Access is based on the person's organizational role, department, and security class.

E*HealthLine is the only Enterprise Data Repository that combines a patient-centric event model, temporal management of medical data, and a comprehensive structure for a controlled medical vocabulary.

Designed to accommodate the specialized data management needs of complex healthcare organizations, the E*HealthLine system provides the ability to support thousands of concurrent users and millions of patient records with sub-second response times.

E*HealthLine Transforms Efficient Performance

- Offers a patient-centric approach, based on the concept of a single, longitudinal patient record with a unique identifier for the entire enterprise.
- Delivers the promise of sophisticated, real-time decision support at the point of care.
- Integrates with all legacy and EHL systems applications, providing functionality benefits and eliminating interfaces.
- Efficiently interfaces with all non-EHL systems, including legacy systems, to reconcile and organize all data into a consistent whole.
- Delivers a transaction-oriented data model that is both extensible and accessible.

Provides strong adherence to interface standards and open systems, which are essential for connecting an enterprise.

Conclusion

Information is seen as the common thread connecting all healthcare industry stakeholders as they seek to use E*HealthLine integrated delivery systems. Healthcare Organizations require an integrated solution that can untangle the existing application complexity and provide a scalable infrastructure that supports rapid and efficient inter-connection of additional applications and business rule changes. E*HealthLine. provides a common language allowing all Healthcare Organizations to begin sharing electronic documents which have previously been isolated and transmitted on paper. The E*HealthLine System™ not only offers powerful data transformation capabilities, but efficiently manages the broad array of interfaces between various systems, applications and data sources.

E*HealthLine Is Committed
To
Providing Integrated Solutions



Embracing a new technology for the future of healthcare.

**An innovative healthcare information infrastructure enabling an Internet
web environment, which embodies the new paradigm of healthcare
applications with reality-based interfaces.**

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